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***Onondaga Lake NPL Site  
Tributary Sampling  
Second Round Report***  
*Onondaga Lake NPL Site Remedial Program*

**New York State Department of Environmental Conservation  
November 1999**

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## **1.0 Introduction**

This document presents the results of implementation that were discussed in the New York State Department of Environmental Conservation Onondaga Lake NPL Site Tributary Sampling First Round Report (First Round Report), dated October 1997. The First Round Report was prepared by the New York State Department of Environmental Conservation (NYSDEC) as part of the remedial program for the Onondaga Lake National Priorities List (NPL) Site and presented the first round results of implementation of the NYSDEC Onondaga Lake NPL Site Tributary Sampling Work Plan (Work Plan), dated October 1996.

The Tributary Sampling Program is being implemented to supplement existing data and provide a general view of levels of contamination in various tributaries of Onondaga Lake. Data obtained through the Tributary Sampling program will be used to assist in evaluating and identifying the extent of the NPL Site, site conditions, possible subsites and further data needs. The Tributary Sampling program will also serve to help fill a number of data gaps which have been identified through the CERCLA request for information 104(e) process. This additional information will help provide a basis for determining whether further action is appropriate at a number of sites. In addition, the general picture of tributary contamination which will be developed will facilitate an assessment of the completeness of the 104(e) program to date.

## **2.0 Background Information**

### **2.1 Location and Description**

The Onondaga Lake NPL Site is located in the City of Syracuse, Towns of Geddes, Camillus, DeWitt and Salina and the Villages of Solvay and Liverpool in Onondaga County, New York. The site location is shown on Figure 1. A site map is presented on Figure 2 showing the entire Onondaga Lake system.

Onondaga Lake is polluted as a result of decades of industrial, commercial and municipal contaminant discharges from the surrounding area. Onondaga Lake was added to the NPL in December of 1994.

### **2.2 Drainage and Topography**

Onondaga Lake is the main surface water body of the site. The Lake receives flow from a number of tributaries; Onondaga Creek, Harbor Brook, Ninemile Creek, Geddes Brook, Ley Creek, Bloody Brook, Sawmill Creek and Beartrap Creek. Manmade tributaries to the Lake include the West Flume, Tributary 5A and the East Flume. The Metropolitan Syracuse Wastewater Treatment Plant (METRO) and its numerous Combined Sewer Overflows contribute pollutants to the Lake.

### **3.0 Methodology**

Phase II of the Tributary Sampling program included sampling in 7 tributaries; Onondaga Creek, Ley Creek (including the South and Middle Branches), Geddes Brook, Sawmill Creek, Bloody Brook, Ninemile Creek and Harbor Brook.

#### **3.1 Bloody Brook**

Sediment sampling in a lagoon that discharges to Bloody Brook and in the Brook itself in 1996 detected volatile organic compounds (VOCs) such as acetone, carbon disulfide, and methylene chloride; semi-volatile organic compounds (SVOCs) such as benzo(a)pyrene\* and other related compounds (e.g. benzo(a)anthracene\*, benzo(b)fluoranthene\*, chrysene\*, benzo(g,h,i)perylene\*, etc.); poly-chlorinated biphenyls (PCBs); and metals such as such as arsenic, cadmium, chromium, lead, nickel, and zinc among others. The asterisked (\*) compounds are carcinogenic. For more information on the Phase I Tributary Sampling see the Onondaga Lake NPL Site Tributary Sampling First Round Report.

The Phase II sampling consisted of 6 sediment samples. The sampling locations are shown on Figure 3a. All samples were analyzed for Target Compound List (TCL) VOCs, SVOCs, PCBs, and Target Analyte List (TAL) metals except B104A, which was analyzed for PCBs only. In addition, all of the samples were analyzed for Total Organic Carbon (TOC).

#### **3.2 Geddes Brook**

Sediment sampling from the Phase I Tributary Sampling detected the presence of VOCs such as chlorobenzene, toluene, and trichlorofluoromethane; SVOCs such as fluorene, phenanthrene, pyrene, and benzo(a)anthracene\* and related compounds; and metals such as antimony, arsenic, chromium, copper, lead, nickel, and mercury.

Sampling in Geddes Brook in 1997 included the collection of 12 sediment samples. The sampling locations are shown on Figure 3b. All of the samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals except G1, G2 and G3. Samples G1, G2 and G3 were analyzed for cadmium only at the same locations as G1, G2 and G3 from the first round of sampling. In addition, all of the samples except G1, G2 and G3 were analyzed for TOC.

#### **3.3 Harbor Brook**

Sediment samples in the 1996 round of sampling detected the presence of VOCs including benzene, toluene, ethylbenzene, and xylene (BTEX) and acetone, chlorobenzene, and styrene among others; SVOCs including chlorinated benzenes, naphthalene, benzo(a)anthracene\*, phenanthrene, dibenzofuran, and many others; PCBs (aroclors 1016, 1242, 1254, and 1260) were detected in various samples; and metals of concern were detected including arsenic, cadmium, chromium, copper, iron, lead, mercury, nickel, and zinc. Water samples that were collected detected contaminants such as BTEX compounds, 2,4-dimethylphenol, acenaphthene, barium, copper, iron, lead, and manganese.

In the Phase II sampling, 4 sediment samples (H107 to H110) were collected in the tributaries to Harbor Brook and 6 water samples (H101 to H105 and H111) were taken both in the tributaries

and in Harbor Brook itself. Two soil samples (H112 and H113) were also collected adjacent to Harbor Brook near the Mobil pipeline. The sampling locations are shown on Figure 3c. These sediment and water samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals. The soil samples were analyzed for VOCs (using method 8260), SVOCs (using method 8270), TCL PCBs, and TAL metals. In addition, the sediment and soil samples were analyzed for TOC.

### **3.4 Ley Creek [includes the South and Middle Branches]**

Sediment samples collected during the Phase I Tributary Sampling detected the presence of VOCs including acetone, xylene, and 2-butanone (MEK); SVOCs including anthracene, naphthalene, benzo(a)anthracene\*, phenanthrene, carbazole, and dichlorobenzene; PCBs (aroclos 1016, 1242, 1254, and 1260) were detected; and metals including arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, zinc, and several others.

Sediment sampling in Ley Creek in 1997 consisted of 21 samples. Two soil samples (L109 and L110) were also collected in the Old Ley Creek Channel. The sampling locations are shown on Figures 3d and 3e. All of the samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals except samples L109 and L110, which were sampled for PCBs only, and L113, which was sampled for lead only. In addition, 13 of the samples were analyzed for TOC.

### **3.5 Onondaga Creek**

Sediment samples collected in 1996 detected VOCs including low levels of BTEX compounds, dichlorobenzene, and trichlorofluoromethane; SVOCs including naphthalene, fluorene, phenanthrene, anthracene, pyrene, benzo(a)anthracene\*, and several others; PCBs (aroclor 1260) in one sample at a level of 22,000 parts per billion (ppb); and metals including antimony, arsenic, copper, lead, and mercury.

There were four sediment samples and two soil samples collected in the second round of sampling. The sampling locations are shown on Figure 3f. The soil samples (O104 and O105) and one sediment sample (O103) were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals. One of the sediment samples was analyzed for PCBs and mercury (O101), another was analyzed for metals (O102), and the last analyzed for PCBs (O106). In addition, five of the samples were analyzed for TOC.

### **3.6 Sawmill Creek**

Sediment samples collected during the Phase I sampling detected the presence of the VOCs trichlorofluoromethane and methylene chloride (most likely due to laboratory use); SVOCs such as phenanthrene, fluoranthene, pyrene, chrysene, benzo(a)anthracene\*, and several other compounds; PCBs (aroclor 1260) were detected in one sample; and metals such as cadmium, chromium, copper, lead, manganese, nickel, and zinc.

In 1997, four sediment samples were collected. The sampling locations are shown on Figure 3g. Two of the samples (SM5 and SM6) were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals and the other two (SM1A and SM2A) were analyzed for cadmium only. In addition, SM5 and SM6 were analyzed for TOC.

### **3.7 Ninemile Creek**

No samples were collected from Ninemile Creek in 1996.

In the second round of sampling, two samples were collected in Ninemile Creek near Camillus. The sampling locations are shown on Figure 3h. The samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals. In addition, both of the samples were analyzed for TOC.

### **3.8 Sample Collection and Analysis**

All sample collection activities followed the procedures outlined in the Project QAPjP as well as the requirements outlined in the Health and Safety Plan included as Appendices 1 and 2 of the Work Plan, respectively.

The sediment samples were collected using either a scoop or a lexan tube, depending on the location and sediment conditions, and placed into the appropriate containers. The samples were collected at depths ranging from 2 to 15 inches, unless otherwise specified. Soil samples were collected by using a scoop or a trowel and then placing the soil into the appropriate containers. Scoops and trowels used for the soil and sediment sampling were decontaminated as specified in the Work Plan after use. Water samples were collected by submersing the bottles in the water to be sampled or if the water was too shallow, by using a clean container to transfer water to the appropriate bottles.

A main objective of the Tributary Sampling program is to provide a general characterization of contamination in the various tributaries. Therefore, with a few exceptions (see tributary-specific discussions above, as well as in, Section 4.0), all samples were analyzed for the full Target Compound List of VOCs, SVOCs, PCBs, and TAL metals. In addition, many of the samples in each tributary were analyzed for TOC.

The samples that were collected were analyzed by a DEC contract laboratory following NYSDEC ASP protocols. Unless indicated, the sample analyses were performed by method 95-1 for VOCs, method 95-2 for SVOCs, method 95-3 for PCBs, CLP-M for metals, and the Lloyd-Kahn method for TOC. The data from these analyses was validated by a third party validator.

## **4.0 Results**

The analytical results of the second round of the Tributary Sampling program described in previous sections are presented in the Tables in Appendix 1. The data for each tributary is presented in a separate series of tables as follows (Bloody Brook is used as an example);

Table B-1: Bloody Brook - All Detections for All Parameters

Table B-2: Bloody Brook - Organic Compounds

Table B-3: Bloody Brook - Metals

Additional tables included to highlight the presence and patterns of contamination are described in the sections below. All sample specific Total Organic Carbon data is presented in Appendix 3. A table providing contaminant specific sediment criteria (Human Health Bioaccumulation, Benthic Aquatic Life Acute Toxicity, Benthic Aquatic Life Chronic Toxicity and Wildlife Bioaccumulation) for various generic TOC concentrations and a table providing Sediment Criteria Exceedances for VOCs and SVOCs (Based on TOC Data) is also presented in Appendix 3. The contaminant specific sediment criteria table is provided to allow the reader to make a general assessment of the significance of contaminant concentrations in sediments. Additional information concerning the Phase I Tributary Sampling can be found in the [Onondaga Lake NPL Site Tributary Sampling First Round Report](#).

### **4.1 Bloody Brook**

Four sediment samples were collected from the lagoon-type water body north of Vine Street that discharges to Bloody Brook and two sediment samples were collected from the ditch that leads from the lagoon to the Brook. In the lagoon the samples were collected in three areas, with both shallow (0 to 23 cm) and deep (23 to 46 cm) core samples collected at B102, these samples are labeled B102S and B102D, respectively. In the ditch that discharges from the lagoon, two core samples (B104 and B104A) were taken adjacent to each other. The core at location B104A had a "silty, black oozy" center. A separate PCB analysis was performed on the "black ooze" only. The sampling locations are shown on Figure 3a. All samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals except B104A, which was analyzed for PCBs only. In addition, all of the samples were analyzed for TOC.

Volatile Organic Compounds (VOCs) such as acetone, 2-butanone (MEK), carbon disulfide, methylene chloride, and toluene were detected in the lagoon at estimated concentrations ranging from not detected (ND) to 43 ug/kg. In the lagoon's discharge at B104, acetone and carbon disulfide were estimated at concentrations of 7 and 3 ug/kg, respectively.

Semi-Volatile Organic Compounds (SVOCs) were detected at concentrations as high as 670 ug/kg in the sediment samples collected in the lagoon. Detected SVOCs include benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, chrysene\*, fluoranthene, indeno(1,2,3-cd)pyrene\*, phenanthrene, and pyrene. The asterisked (\*) compounds are carcinogenic. Based on TOC data from the samples, the asterisked (carcinogenic) compounds exceed the sediment criteria values (NYSDEC, 1999).

In the ditch that discharges from the lagoon, the sediment sample that was collected had SVOC detections with concentrations as high as 2600 ug/kg. The SVOCs that were detected were similar to those collected in the lagoon, but most of the samples had concentrations that were an order of magnitude higher. Based on the TOC data for this sample, the sediment criteria was also exceeded for the same carcinogenic compounds that exceeded the sediment criteria in the samples from the lagoon.

PCBs (aroclor 1254) were detected at all of the sampling locations. In the lagoon the detected concentrations were 24, 76, and 68 ug/kg. In the lagoon's discharge ditch higher PCB concentrations of 170 and 200 ug/kg were detected. The highest PCB concentration (200 ug/kg) was detected in the "silty, black ooze" at B104A that was analyzed for PCBs only. Based on the TOC results for these samples, the PCB concentrations exceed the sediment criteria at these locations.

Many metals of potential concern were detected in the samples including arsenic, chromium, copper, lead, manganese, nickel, and zinc. None of the concentrations exceeded the DEC Sediment Criteria Lowest Effect Levels (LEL), although some of the concentrations for zinc (concentrations of 117 and 114 mg/kg at B102S and B104, respectively) were detected close to the LEL (LEL for zinc of 120 mg/kg).

#### **4.2 Geddes Brook**

In Geddes Brook, five sediment samples were collected. Two of the sediment samples were collected downstream of the West Flume and the Erie Canal near the confluence of Geddes Brook with Ninemile Creek and adjacent to the State Fair Landfill (locations N104 and N103, respectively). The other three sediment samples (G3, G106, and G107) were collected in the Brook upstream of the West Flume and the Erie Canal. G106 was collected in a ditch near a Niagara Mohawk substation and G107 was collected 500 feet upstream of the substation. Sample G3 was collected 700 feet upstream of the Erie Canal.

Seven sediment samples were collected in other various locations including the Erie Canal and tributaries to Geddes Brook. Samples G1, G2, G101, G102, and G103 were collected in the Erie Canal and samples G104 and G105 were collected in a wetland and/or tributary to Geddes Brook. The sampling locations are shown on Figure 3b. All of the samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals except G1, G2 and G3. Samples G1, G2 and G3 were analyzed for cadmium only at the same locations as G1, G2 and G3 from the first round of sampling. In addition, all of the samples except G1, G2 and G3 were analyzed for TOC.

The only VOCs detected in the samples collected in Geddes Brook (N103, N104, G106, and G107) were acetone and carbon disulfide. Concentrations of these two VOCs were estimated to range from ND to 25 ug/kg. In the Erie Canal and tributaries, the concentrations of VOCs had estimated values ranging from ND to 90 ug/kg. The detected VOCs in these areas included acetone, carbon disulfide, and 2-butanone (MEK). Benzene, chlorobenzene, 1,2-dichloroethene (total), toluene, and xylene were also detected at G103 at estimated concentrations of 17, 820, 17, 7, and 57 ug/kg, respectively.

SVOCs were detected in Geddes Brook at estimated concentrations as high as 7,400 ug/kg. The detected SVOCs include acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, carbazole, chrysene\*, fluoranthene, hexachlorobenzene, indeno(1,2,3-cd)pyrene\*, phenanthrene, and pyrene. Based on TOC data from the samples, the hexachlorobenzene detected at N103 and N104 and the asterisked (carcinogenic) compounds exceed the sediment criteria values for Human Health Bioaccumulation. See Table 3 in Appendix 3 for other sediment criteria exceedances for SVOCs.

In the Erie Canal and tributaries to the Brook, SVOCs were detected at estimated concentrations as high as 20,000 ug/kg. The detected compounds include acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, carbazole, chrysene\*, dibenzofuran, 1,2-, 1,3-, and 1,4-dichlorobenzene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene. Based on TOC data from the samples the asterisked (carcinogenic) compounds exceed the sediment criteria values for Human Health Bioaccumulation. See Table 3 in Appendix 3 for other sediment criteria exceedances for SVOCs.

PCBs (aroclors 1016, 1254, and 1260) were only detected at locations G103, G104, and G105. Estimated concentrations of PCBs were detected as high as 1,300 ug/kg, with the lowest concentration estimated at 33 ug/kg. Based on the TOC results for these samples, the detected PCB concentrations exceed the sediment criteria at these locations.

Geddes Brook - PCBs (in ppb) in sediment

Aroclor	G103	G104	G105
1016	670	78	33
1254	1300	66	ND
1260	1200	66	39
Total	3170	210	72

ND = not detected

Metals of concern that were detected in Geddes Brook were arsenic, cadmium, copper, lead, mercury, nickel, and zinc. These metals were detected above the LEL at some of the locations sampled in Geddes Brook (see Table below). Concentrations for mercury at N103 and N104 were both estimated at 3 mg/kg, these concentrations exceed the Severe Effect Level (SEL) for mercury of 1.2 mg/kg. For the most part, higher concentrations and concentrations exceeding the LEL were detected downstream of the West Flume at N103 and N104.

In the Erie Canal and tributaries, metals of concern that had concentrations exceeding the LEL or SEL included antimony, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc. Many of the higher metals concentrations were detected at the G103 and G105

locations. Metals that exceeded the SEL at some of the locations were copper, lead, mercury, and nickel. At G103, the detected mercury concentration was 89 mg/kg.

Geddes Brook - Metals Levels of Concern (in ppm) in sediment

Metal	G101	G102	G103	G104	G105	G106	N103	N104	LEL	SEL
Arsenic	5	5	<b>19</b>	3	<b>12</b>	2	<b>12</b>	3	6.0	33
Cadmium	ND	<b>1</b>	<b>2</b>	ND	<b>1</b>	ND	<b>1</b>	ND	0.6	9.0
Chromium	25	<b>61</b>	<b>67</b>	<b>28</b>	<b>28</b>	15	14	6	26	110
Copper	<b>45</b>	<b>55</b>	<b>223</b>	<b>25</b>	<b>72</b>	<b>18</b>	<b>67</b>	<b>16</b>	16	110
Lead	25	<b>136</b>	<b>418</b>	<b>56</b>	<b>144</b>	21	20	<b>31</b>	31	110
Manganese	378	400	<b>491</b>	410	<b>579</b>	385	416	321	460	1100
Mercury	ND	<b>1</b>	<b>89</b>	<b>3</b>	<b>1</b>	ND	<b>3</b>	<b>3</b>	0.15	1.3
Nickel	<b>16</b>	<b>22</b>	<b>54</b>	9	<b>19</b>	<b>16</b>	<b>36</b>	14	16	50
Zinc	80	114	<b>175</b>	86	<b>220</b>	93	<b>137</b>	62	120	270

Values exceeding the LEL or SEL criteria are in bold

ND = not detected

#### 4.3 Harbor Brook

In Harbor Brook a total of 12 samples were collected. These samples included 6 water samples, 4 sediment samples, and 2 soil samples. The water samples were collected in Harbor Brook and one of the tributaries to the Brook. The sediment samples were collected from two small tributaries to Harbor Brook south of Interstate Route I-690. Two soil samples were also collected north of I-690 next to Harbor Brook near the Mobil pipeline. The sampling locations are shown on Figure 3c. These sediment and water samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals. The soil samples were analyzed for VOCs (using method 8260), SVOCs (using method 8270), PCBs, and metals. In addition, the sediment and soil samples were analyzed for TOC.

#### Water Sampling Results

VOCs that were detected in the water samples included acetone, benzene, ethylbenzene, styrene, toluene, and xylene. The concentrations ranged from ND to 27 ug/L. Benzene, ethylbenzene, styrene, and toluene were only detected at H101 with estimated concentrations of 10, 2, 4, and 21 ug/L, respectively. The concentration of 10 ug/L for benzene exceeds the surface water standard for the human consumption of fish (NYSDEC, 1998).

SVOCs were detected in the water sample collected at H101 at concentrations as high as 78 ug/L. The detected parameters at this location included acenaphthene, carbazole, dibenzofuran, 2,4-dimethylphenol, fluorene, 2-methylnaphthalene, 2- and 4-methylphenol, naphthalene, phenanthrene, and phenol. The only other SVOC detected at another sampling location was

naphthalene at H102 with an estimated concentration of 1 ug/L. At H101 the concentrations for 2-methylnaphthalene and naphthalene were 11 and 78 ug/L, respectively, these concentrations exceed the surface water guidance values for fish propagation (NYSDEC, 1998). Also at H101 the aesthetic standard for surface waters was exceeded for total unchlorinated phenols.

No PCBs were detected in the water samples.

Metals that were detected included aluminum, arsenic, barium, chromium, cobalt, copper, iron, lead, manganese, nickel, silver, and zinc. The concentrations of the more toxic metals (e.g., arsenic, chromium, lead, silver, etc.) were mainly in the range of 2 to 30 ug/L. At H103 the fish propagation standard for surface waters was exceeded for iron, which had a concentration of 498 ug/L.

#### Sediment Sampling Results

VOCs detected in the sediment samples (H107 to H110) were estimated at concentrations ranging from ND to 60 ug/kg. The only VOCs detected were acetone, 2-butanone (MEK), and carbon disulfide.

SVOCs that were detected included acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, carbazole, chrysene\*, 4-chlororaniline, 1,4-dichlorobenzene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, 2-methylnaphthalene, 4-methylphenol, naphthalene, phenanthrene, and pyrene. The highest value was estimated at a concentration of 20,000 ug/kg. Based on TOC data from the samples, the asterisked (carcinogenic) compounds exceed the sediment criteria values for Human Health Bioaccumulation. See Table 3 in Appendix 3 for other sediment criteria exceedances for SVOCs.

PCBs (aroclors 1254 and 1260) were detected in each of the sediment samples. The estimated PCB concentrations ranged from ND to 218 ug/kg. Based on the TOC results for these samples, the detected PCB concentrations exceed the sediment criteria at these locations.

Harbor Brook - PCBs (in ppb) in sediment

Aroclor	H107	H108	H109	H110
1254	42	100	218	24
1260	53	82	170	ND
Total	95	182	388	24

ND = not detected

Metals that were detected exceeding their respective LEL's were antimony, arsenic, cadmium, chromium, copper, iron, lead, mercury, nickel, and silver. Metals detected that exceeded the SEL were copper, lead, and zinc. Other metals that were detected included aluminum, barium, beryllium, cobalt, manganese, selenium, and vanadium. The samples that had concentrations

that frequently exceeded the LEL or SEL were usually detected at H108 and H109. These samples were taken 100 and 200 feet upstream of the confluence with Harbor Brook in a tributary south of I-690 near the bend in the Brook parallel to Erie Boulevard West.

#### Harbor Brook - Metals Levels of Concern (in ppm) in sediment

Metal	H107	H108	H109	H110	LEL	SEL
Antimony	ND	ND	<b>2</b>	ND	2.0	25
Arsenic	3	<b>6</b>	<b>7</b>	2	6.0	33
Cadmium	ND	<b>2</b>	<b>1</b>	ND	0.6	9.0
Chromium	11	24	<b>28</b>	5	26	110
Copper	<b>21</b>	<b>110</b>	<b>138</b>	<b>18</b>	16	110
Lead	<b>67</b>	<b>281</b>	<b>187</b>	<del>29</del>	31	110
Mercury	ND	ND	<b>1</b>	<del>ND</del>	0.15	1.3
Nickel	9	<b>20</b>	<b>19</b>	<del>7</del>	16	50
Silver	ND	<b>1</b>	<b>1</b>	<del>ND</del>	1.0	2.2
Zinc	54	<b>297</b>	<del>319</del>	61	120	270

Values exceeding the LEL or SEL criteria are in bold

ND = not detected

#### Soil Sampling Results

Higher VOC concentrations were detected in the soil samples at H112 and H113. One of the concentrations was estimated as high as 1,500 ug/kg. The VOCs detected in the soil samples included acetone, benzene, 2-butanone (MEK), chlorobenzene, ethylbenzene, styrene, toluene, and xylene. For the most part many of these VOCs were not detected at H112 and were only detected at H113. When the parameter was detected at both locations the concentration at H113 was generally higher. For the VOCs detected in the soil, it is possible that some of the detections were a result of laboratory contamination.

SVOCs that were detected included acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, carbazole, chrysene\*, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, 2-methylnaphthalene, 4-methylphenol, naphthalene, phenanthrene, pyrene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. The highest concentration detected in the soil samples was an estimated value of 53,000 ug/kg for phenanthrene at H113. For the most part, the concentrations detected at H113 were much higher than the concentrations detected at H112.

PCBs (aroclos 1016, 1254, and 1260) were detected in the soil samples with values of 32, 92,

820, and 860 ug/kg. All of the PCBs were detected at H113 except the lowest concentration of 32 ug/kg, which was detected at H112.

Metals that were detected included arsenic, barium, cadmium, chromium, cobalt, copper, lead, manganese, mercury, nickel, vanadium, and zinc. For the most part, the concentrations detected at H113 were much higher than the concentrations detected at H112. Cyanide was detected at H112 and H113 at concentrations of 2 and 4 mg/kg, respectively.

#### **4.4 Ley Creek [includes the South and Middle Branches]**

Sediment sampling in Ley Creek in 1997 consisted of 21 samples. In the lower part of Ley Creek six samples were collected (L107 to L112). Four of the samples were collected in the Old Ley Creek Channel, they included the collection of two sediment samples (L107 and L108) in a portion of the channel that acts as a tributary to Ley Creek and two soil samples (L109 and L110) in a dry portion of the channel. Two sediment samples were also collected from a swale and a ditch entering Ley Creek from the Crouse Hinds North Landfill (L111) and near 7<sup>th</sup> North Street (L112), respectively. The sampling locations for Lower Ley Creek are shown on Figure 3d.

In the Middle Branch of Ley Creek (Sanders Creek) seven sediment samples were collected at various points (L101 to L106 and L113). In the South Branch of the Creek 10 sediment samples (S101 to S110) were collected either in the Creek or from drainage ditches at various points. The sampling locations for Upper Ley Creek (Middle and South Branches) are shown on Figure 3e. All of the samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals except samples L109 and L110, which were sampled for PCBs only, and L113, which was sampled for lead only. In addition, 13 of the samples were analyzed for TOC.

#### Lower Ley Creek

VOCs detected in samples from Lower Ley Creek included acetone, benzene, 2-butanone (MEK), carbon disulfide, ethylbenzene, xylene (total), and vinyl chloride. The highest VOC concentration was estimated at 870 ug/kg, but for the most part the concentrations were below 50 ug/kg. Based on TOC data, the concentration of vinyl chloride at L107 exceeds the sediment criteria values.

SVOCs were detected at estimated concentrations as high as 21,000 ug/kg. The SVOCs detected included acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl) phthalate, carbazole, chrysene\*, 1,2-dichlorobenzene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene. Based on TOC data from the samples: the asterisked (carcinogenic) compounds exceed the sediment criteria values for Human Health Bioaccumulation. See Table 3 in Appendix 3 for other sediment criteria exceedances for SVOCs.

PCBs (aroclos 1016, 1248, 1254, and 1260) were detected in Lower Ley Creek at concentrations as high as 360,000 ug/kg. In the soil samples collected in the dry section of the Old Ley Creek channel (L109 and L110), the PCB concentrations detected at L109 were 6,700 and 230 ug/kg for aroclos 1248 and 1260, respectively. At L110 the concentrations of aroclos 1248 and 1260

were 360,000 and 13,000 ug/kg, respectively. In the sediment samples collected at the other locations the highest concentration was 230,000 ug/kg (aroclor 1016), which was detected at L108. The other samples had PCB concentrations ranging from ND to 130,000 ug/kg. Based on TOC data, the sediment samples collected at L107, L108, L111, and L112 exceed the sediment criteria values for the PCBs detected.

#### Lower Ley Creek - PCBs (in ppb) in sediment

Aroclor	L107	L108	L111	L112
1016	ND	<b>230,000</b>	<b>130,000</b>	<b>140</b>
1248	<b>8,000</b>	ND	ND	ND
1254	ND	ND	ND	<b>1,000</b>
1260	<b>310</b>	<b>7,400</b>	<b>5,400</b>	<b>370</b>
<i>Total</i>	<b>8310</b>	<b>237,400</b>	<b>135,400</b>	<b>1510</b>

ND = not detected

Metals that exceeded the LEL in Lower Ley Creek were antimony, arsenic, cadmium, copper, iron, lead, mercury, nickel, and zinc. Metals exceeding the SEL were cadmium (concentration of 594 ppm at L112), chromium (all sediment samples exceeded the SEL), copper, lead, manganese (concentration of 1840 ppm at L112), nickel (concentration of 1460 ppm at L108), silver and zinc (concentration of 5050 ppm at L112). Cyanide was also detected at L108 and L112 with concentrations of 9 and 22 mg/kg, respectively.

#### Lower Ley Creek - Metals Levels of Concern (in ppm) in sediment

Metal	L107	L108	L111	L112	LEL	SEL
Antimony	ND	ND	ND	<b>2</b>	2.0	25
Arsenic	<b>3</b>	<b>20</b>	<b>11</b>	<b>22</b>	6.0	33
Cadmium	<b>1</b>	<b>6</b>	<b>2</b>	<b>594</b>	0.6	9.0
Chromium	<b>138</b>	<b>6290</b>	<b>135</b>	<b>568</b>	26	110
Copper	<b>223</b>	<b>1170</b>	<b>70</b>	<b>88</b>	16	110
Iron	0.948%	<b>2.2%</b>	1.67%	<b>3.45%</b>	2.0%	4.0%
Lead	<b>123</b>	<b>514</b>	<b>85</b>	<b>164</b>	31	110
Mercury	ND	<b>1</b>	ND	ND	0.15	1.3
Nickel	<b>38</b>	<b>1460</b>	<b>46</b>	<b>28</b>	16	50
Silver	ND	<b>6</b>	ND	ND	1.0	2.2

Zinc	<b>381</b>	817	164	<b>5050</b>	120	270
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Values exceeding the LEL or SEL criteria are in bold

ND = not detected

#### Upper Ley Creek

In Upper Ley Creek, VOC concentrations were estimated to range from ND to 180 ug/kg. The VOCs detected included acetone, 2-butanone (MEK), carbon disulfide, 1,2-dichloroethene (total), trichloroethene, and xylene (total).

SVOCs were detected at concentrations up to 66,000 ug/kg. The detected SVOCs included acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, carbazole, chrysene\*, dibenz(a,h)anthracene\*, dibenzofuran, di-n-octylphthalate, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, 2-methylnaphthalene, 2-methylphenol, naphthalene, phenanthrene, and pyrene. Based on TOC data from the samples, the asterisked (carcinogenic) compounds exceed the sediment criteria values. See Table 3 in Appendix 3 for other sediment criteria exceedances for SVOCs.

In the South and Middle Branches of Ley Creek, PCBs (auroclors 1016, 1248, 1254, and 1260) were detected at concentrations ranging from ND to 7,900 ug/kg. The highest detection was for aroclor 1260 at L103 in the Middle Branch. Where PCBs were detected, the sediment criteria values were exceeded for PCBs based on the TOC data.

#### Upper Ley Creek - PCBs (in ppb) in sediment

Aroclor	L102	L103	L104	L106	S101	S103	S104	S106	S107	S108	S109	S110
1016	<b>34</b>	<b>68</b>	ND	ND	<b>130</b>	ND	ND	ND	ND	ND	ND	ND
1248	ND	ND	ND	ND	<b>190</b>	<b>1100</b>	<b>130</b>	ND	ND	ND	<b>66</b>	<b>47</b>
1254	<b>2133</b>	<b>1800</b>	<b>140</b>	<b>83</b>	<b>140</b>	ND	<b>140</b>	<b>75</b>	<b>42</b>	ND	<b>74</b>	<b>120</b>
1260	<b>7400</b>	<b>7900</b>	<b>83</b>	<b>170</b>	ND	ND	<b>44</b>	<b>100</b>	<b>38</b>	<b>31</b>	<b>64</b>	<b>71</b>
<i>Total</i>	<b>9567</b>	<b>9768</b>	<b>223</b>	<b>253</b>	<b>460</b>	<b>1100</b>	<b>314</b>	<b>175</b>	<b>80</b>	<b>31</b>	<b>204</b>	<b>238</b>

ND = not detected

Metals in the upper section of Ley Creek that exceeded the LEL included antimony, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, silver, and zinc. Metals exceeding the SEL were cadmium, copper, lead, nickel, silver (concentration of 48 ppm at S101), and zinc.

Middle Branch of Ley Creek (Sanders Creek) - Metals Levels of Concern (in ppm) in sediment

Metal	L102	L103	L104	L105	L106	LEL	SEL
Arsenic	5	8	10	4	4	6.0	33
Cadmium	ND	2	ND	ND	ND	0.6	9.0
Chromium	43	98	21	23	75	26	110
Copper	48	116	21	16	29	16	110
Lead	54	401	24	12	44	31	110
Mercury	1	ND	ND	ND	ND	0.15	1.3
Nickel	21	26	15	26	20	16	50
Silver	1	7	ND	ND	ND	1.0	2.2
Zinc	154	540	88	71	568	120	270

ND = not detected

South Branch of Ley Creek - Metals Levels of Concern (in ppm) in sediment

Metal	S101	S102	S103	S104	S105	S106	S107	S108	S109	S110	LEL	SEL
Arsenic	18	4	4	3	4	5	3	7	5	5	6.0	33
Cadmium	10	1	1	1	ND	2	2	ND	1	9	0.6	9.0
Chromium	75	20	16	18	25	64	24	11	27	40	26	110
Copper	419	64	70	121	34	175	74	23	38	70	16	110
Iron	1.78%	1.69%	2.93%	1.1%	2.83%	2.13%	1.44%	1.44%	1.85%	1.95%	2.0%	4.0%
Lead	228	15	32	73	14	184	61	21	74	201	31	110
Manganese	418	134	547	326	367	447	239	334	239	493	460	1100
Mercury	1	ND	ND	ND	ND	ND	ND	ND	ND	1	0.15	1.3
Nickel	56	26	20	17	25	24	20	13	21	32	16	50
Silver	48	2	ND	2	3	ND	1	ND	ND	ND	1.0	2.2
Zinc	520	115	228	138	135	269	146	55	141	303	120	270

Values exceeding the LEL or SEL criteria are in bold

ND = not detected

#### **4.5 Onondaga Creek**

There were four sediment samples and two soil samples collected in the second round of sampling. The sampling locations are shown on Figure 3f. The soil samples (O104 and O105) and one sediment sample (O103) were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals. One of the sediment samples was analyzed for PCBs and mercury (O101), another was analyzed for metals (O102), and the last analyzed for PCBs (O106). In addition, five of the samples were analyzed for TOC.

#### Sediment Sampling Results

There were no VOCs detected at O103, the only sediment sample from Onondaga Creek that was analyzed for volatile organic compounds.

SVOCs detected in the sediment sample at O103 included anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, carbazole, chrysene\*, dibenzofuran, di-n-butylphthalate, di-n-octylphthalate, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, 2-methylnaphthalene, phenanthrene, and pyrene. The concentrations of these SVOCs ranged from 45 to 2,700 ug/kg. Based on TOC data from the sample at O103, the asterisked (carcinogenic) compounds exceed the sediment criteria values. The concentration for fluorene at O103 exceeds the Benthic Aquatic Life Chronic Toxicity sediment criteria.

PCBs (aroclos 1248, 1254, and 1260) were detected in the three sediment samples that were analyzed for PCBs (O101, O103, and O106). The concentrations at these locations ranged from 22 to 730 ug/kg. Based on the TOC results for these samples, the detected PCB concentrations exceed the sediment criteria at these locations.

Onondaga Creek - PCBs (in ppb) in sediment

Aroclor	O101	O103	O106
1248	33	29	69
1254	53	150	280
1260	29	22	730
<i>Total</i>	<b>115</b>	<b>201</b>	<b>1079</b>

Metals that exceeded the LEL in the sediment samples were copper (26 and 16 ppm at O102 and O103, respectively ) and lead (33 ppm at O102). There were no metals that exceeded the SEL. Other potential metals of concern that were detected include arsenic, cadmium, chromium, manganese, nickel, and zinc.

#### Soil Sampling Results

In the soil samples collected at O104 and O105, acetone, 2-butanone (MEK), 1,2-dichloroethene (total), carbon disulfide, and toluene were detected in either one or both of the samples. The VOC concentrations ranged from ND to 98 ug/kg.

In the soil samples, the SVOC concentrations ranged from 570 to 32,000 ug/kg. The detected SVOCs included acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, carbazole, chrysene\*, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, 2-methylnaphthalene, naphthalene, phenanthrene, and pyrene.

The soil samples had PCB concentrations at O104 of 380 and 940 ug/kg for aroclors 1254 and 1260, respectively and concentrations at O105 of 82 and 100 ug/kg for aroclors 1254 and 1260, respectively.

In the soil samples, potential metals of concern that were detected include arsenic, cadmium, chromium, copper, lead, manganese, mercury, nickel, silver, and zinc.

#### 4.6 Sawmill Creek

In 1997, four sediment samples were collected. The sampling locations are shown on Figure 3g. Two of the samples (SM5 and SM6) were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals and the other two (SM1A and SM2A) were analyzed for cadmium only. In addition, SM5 and SM6 were analyzed for TOC.

VOCs were not detected in the sediment samples collected in Sawmill Creek.

SVOCs were detected at concentrations ranging from 55 to 990 ug/kg. The SVOCs detected were acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(g,h,i)perylene\*, benzo(k)fluoranthene\*, carbazole, chrysene\*, fluoranthene, indeno(1,2,3-cd)pyrene\*, phenanthrene, and pyrene. Based on TOC data from the samples, the asterisked (carcinogenic) compounds exceed the sediment criteria values.

PCBs (aroclor 1260) were detected at SM5 and SM6 at estimated concentrations of 45 and 32 ug/kg. Based on TOC data, these PCB concentrations exceed the sediment criteria values.

Metals that exceeded the LEL include arsenic, cadmium, copper, iron, lead, manganese, nickel, and zinc. Concentrations that exceeded the SEL were detected for chromium, lead, manganese, nickel, and zinc.

Sawmill Creek - Metals (in ppm) in sediment greater than the LEL

Metal	SM5	SM6	LEL	SEL
Arsenic	7	11	6.0	33
Cadmium	3	<LEL	0.6	9.0
Chromium	147	26	26	110
Copper	59	43	16	110
Iron	2.48%	2.2%	2.0%	4.0%

Lead	<b>444</b>	41	31	110
Manganese	<b>1660</b>	887	460	1100
Nickel	<b>88</b>	23	16	50
Zinc	<b>1880</b>	250	120	270

Numbers in **bold** are greater than the SEL

#### 4.7 Ninemile Creek

In the second round of sampling, two samples were collected in Ninemile Creek near Camillus. The sampling locations are shown on Figure 3h. The samples were analyzed for TCL VOCs, SVOCs, PCBs, and TAL metals. In addition, both of the samples were analyzed for TOC.

VOCs detected in the Ninemile Creek sediment samples were acetone, 2-butanone, and carbon disulfide. The estimated concentrations ranged from ND to 35 ug/kg.

SVOCs detected included acenaphthylene, anthracene, benzo(a)anthracene\*, benzo(a)pyrene\*, benzo(b)fluoranthene\*, benzo(k)fluoranthene\*, bis(2-ethylhexyl)phthalate, chrysene\*, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene\*, naphthalene, phenanthrene, and pyrene. The SVOCs detected had concentrations estimated in the range of 50 to 240 ug/kg. Based on TOC data from the samples, some of the asterisked (carcinogenic) compounds exceed the sediment criteria values.

No PCBs were detected in the two sediment samples collected in Ninemile Creek.

Two metals exceeded the LEL in the sediment samples. The metals were copper (64 ppm at N101) and nickel (23 ppm at N101). Other potential metals of concern that were detected include arsenic, chromium, lead, manganese, vanadium, and zinc.

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c: Harbor Brook Second Round Sampling Locations

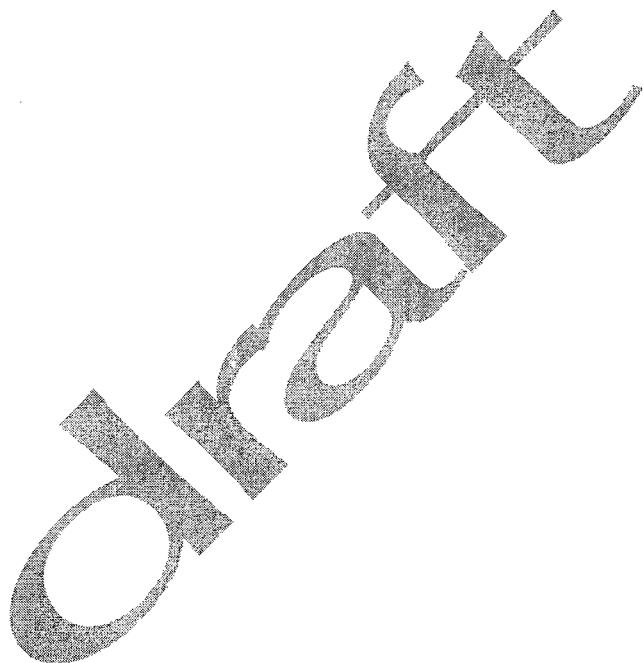
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e: Upper Ley Creek (Middle and South Branches) Second Round Sampling Locations

f: Onondaga Creek Second Round Sampling Locations

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- O-1A: Sediment Samples - All Detections for All Parameters
- O-1B: Soil Samples - All Detections for All Parameters
- O-2A: Sediment Samples - Organic Compounds
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- O-3B: Soil Samples - Metals

### Table Series SM: Sawmill Creek

- SM-1: All Detections for All Parameters
- SM-2: Organic Compounds
- SM-3: Metals

### Table Series N: Ninemile Creek

- N-1: All Detections for All Parameters
- N-2: Organic Compounds
- N-3: Metals

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## Appendix 1: Figures

Figure 1: Site Location

Figure 2: Onondaga Lake System

Figure 3a: Bloody Brook Second Round Sampling Locations

b: Geddes Brook Second Round Sampling Locations

c: Harbor Brook Second Round Sampling Locations

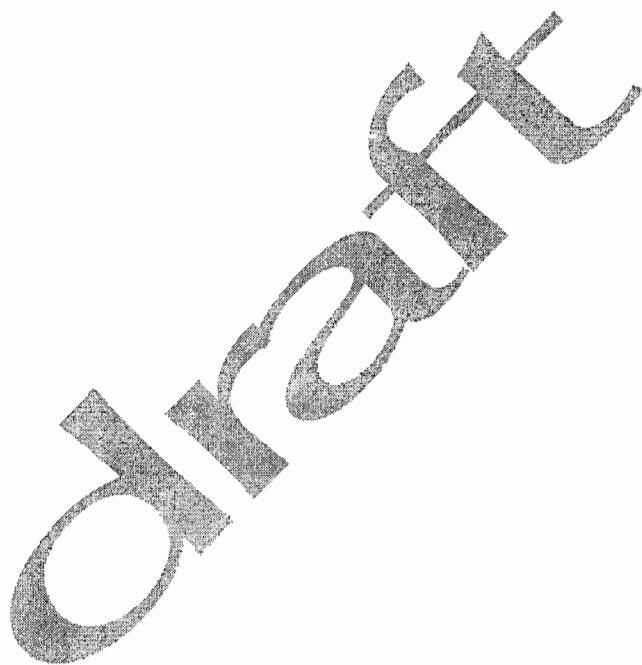
d: Lower Ley Creek Second Round Sampling Locations

e: Upper Ley Creek (Middle and South Branches) Second Round Sampling Locations

f: Onondaga Creek Second Round Sampling Locations

g: Sawmill Creek Second Round Sampling Locations

h: Ninemile Creek Second Round Sampling Locations



# Onondaga Lake

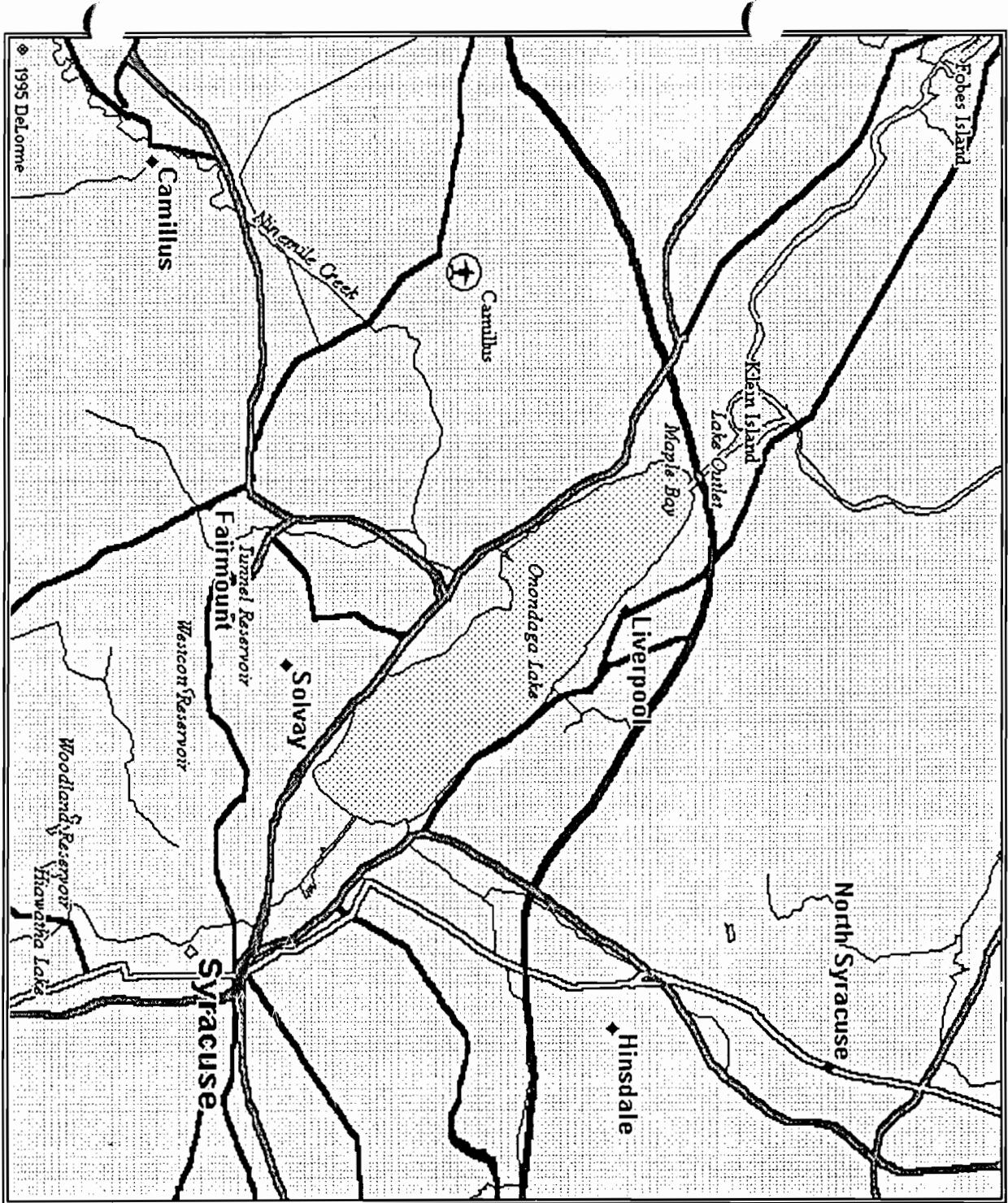
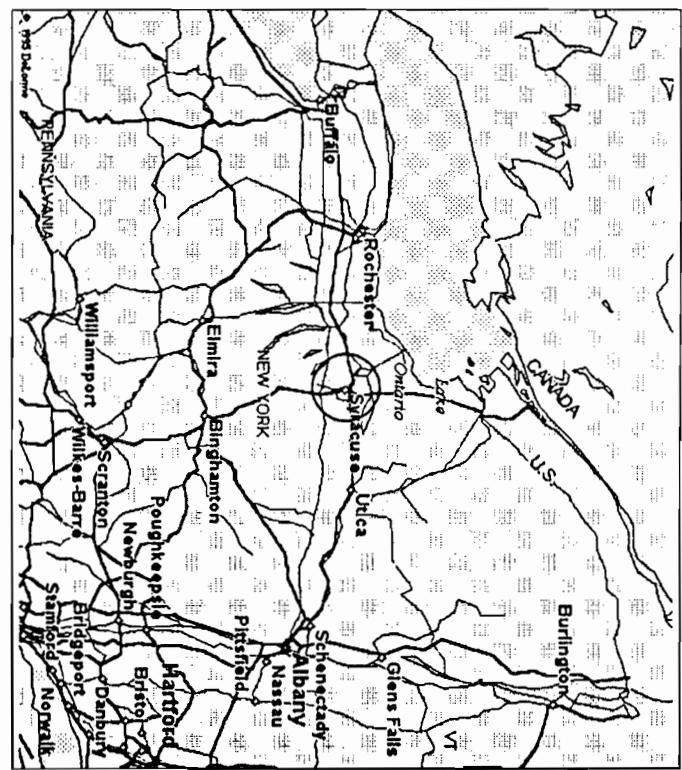


Figure 1  
Site Location



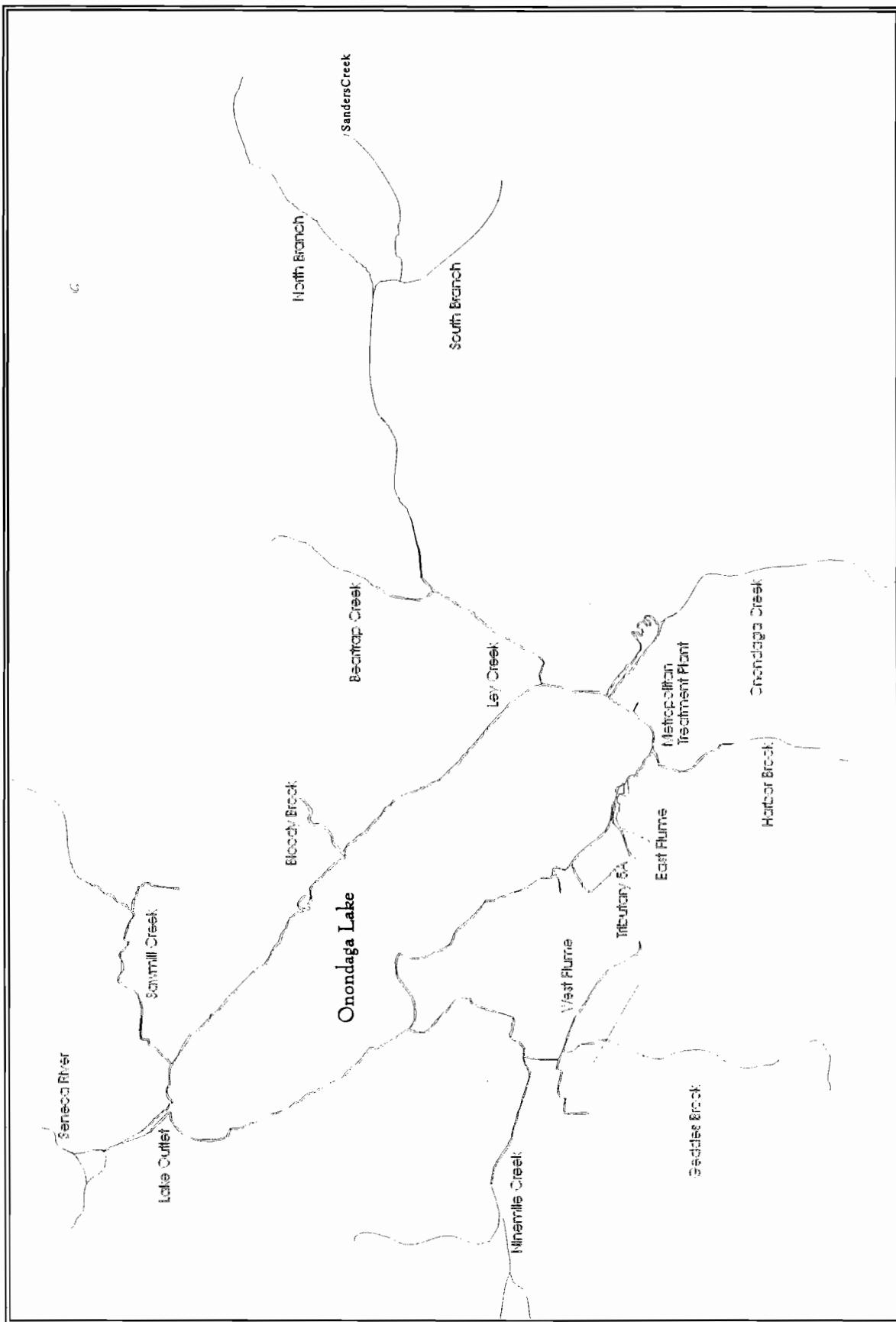
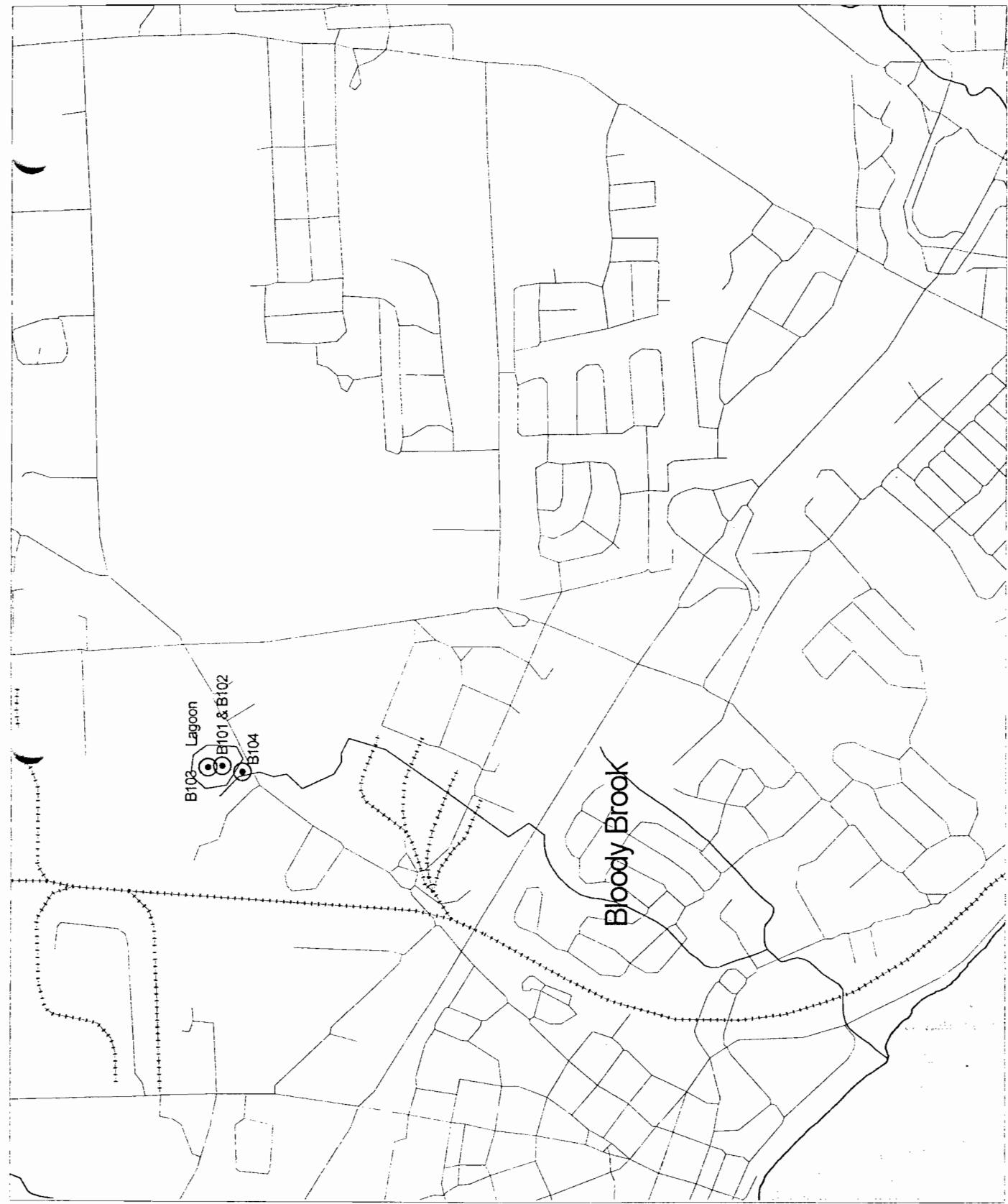


Figure 2 - Site Map  
Onondaga Lake NPL Site

Figure 3a: Bloody Brook  
Second Round Sampling Locations



○ Sediment Samples  
Railroad Tracks  
Roads  
Tributaries  
Onondaga Lake

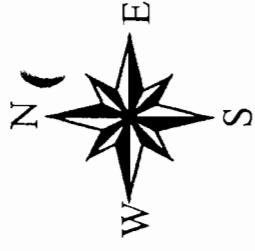
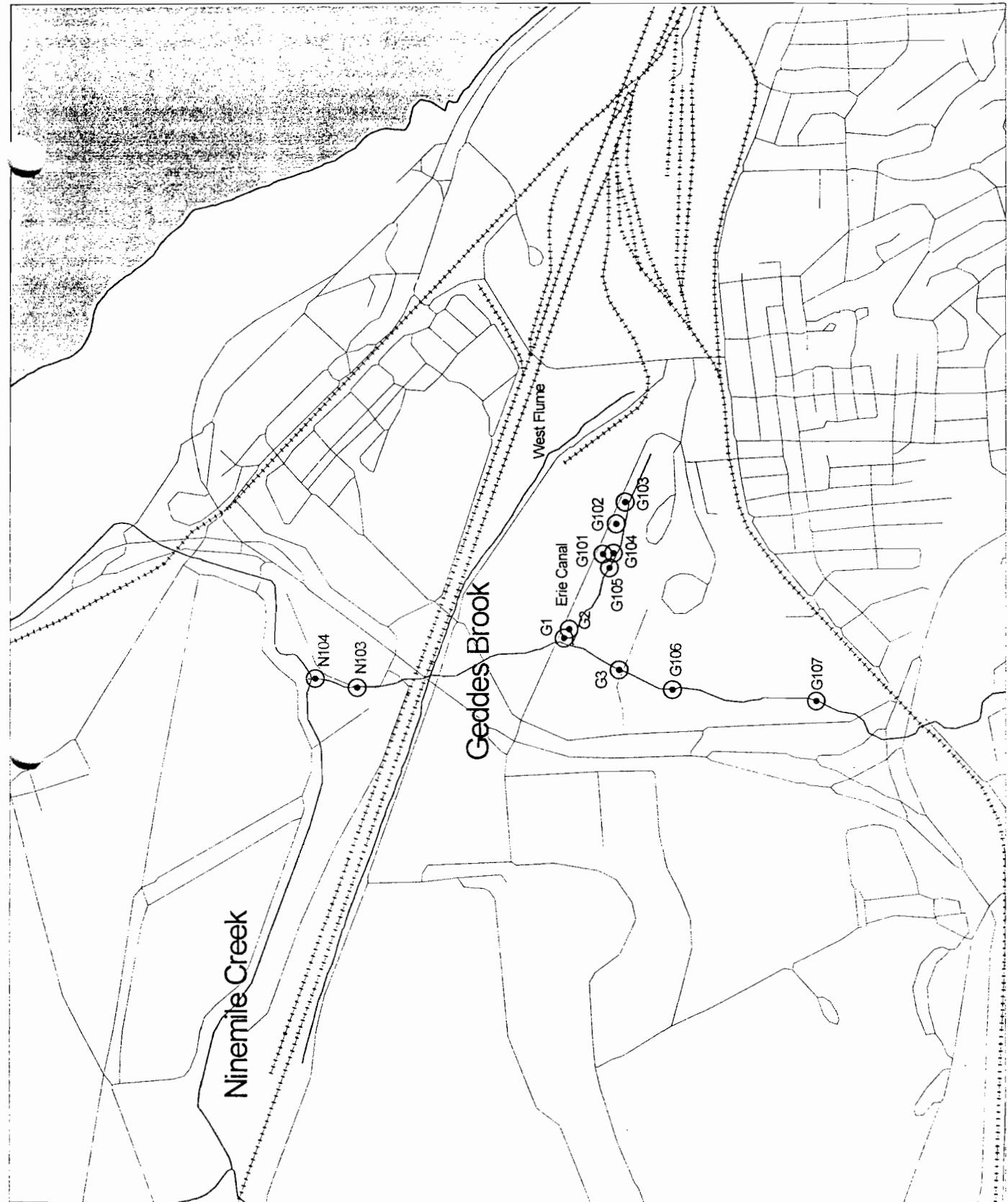
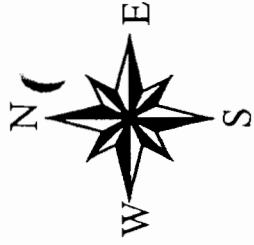


Figure 3b: Geddes Brook  
Second Round Sampling Locations

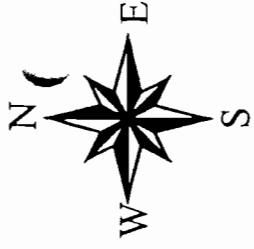
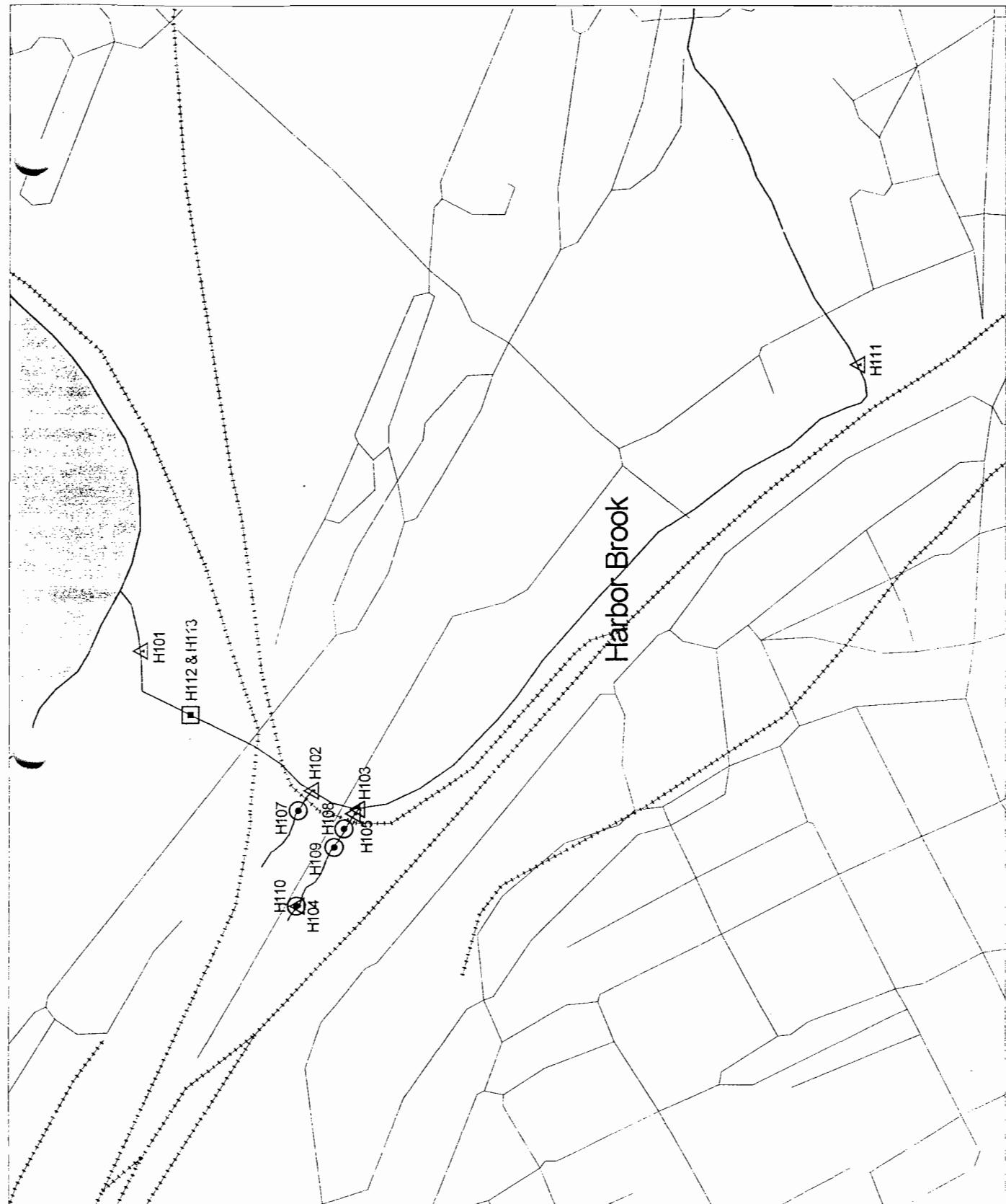


○ Sediment Samples  
Railroad Tracks  
Roads  
Tributaries  
Onondaga Lake



1000 0 1000 2000 Feet

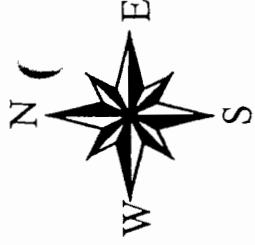
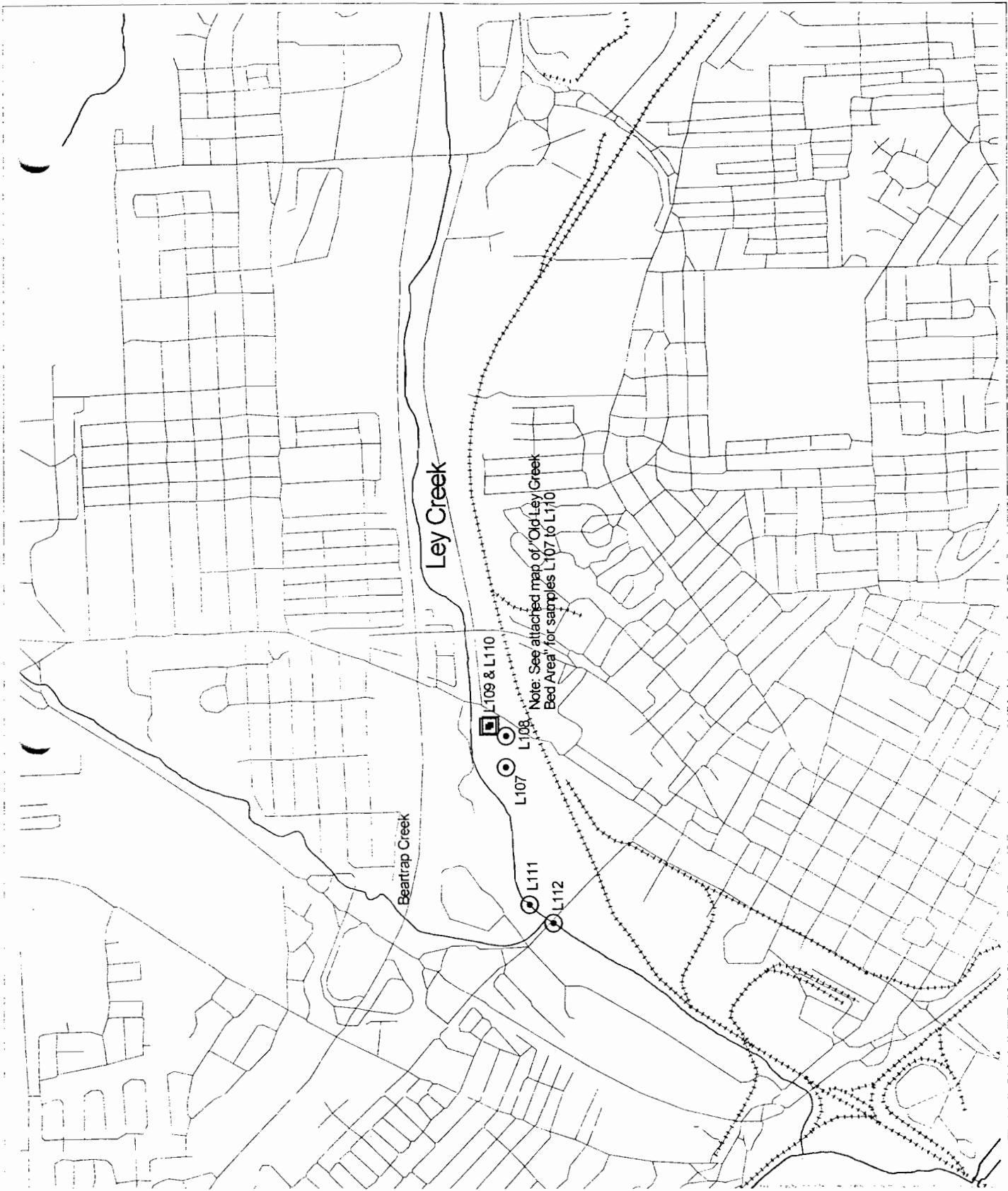
Figure 3c: Harbor Brook  
Second Round Sampling Locations



Water Samples  
Soil Samples  
Sediment Samples  
Railroad Tracks  
Roads  
Tributaries  
Onondaga Lake

400 0 400 800 Feet

Figure 3d: Lower Ley Creek  
Second Round Sampling Locations

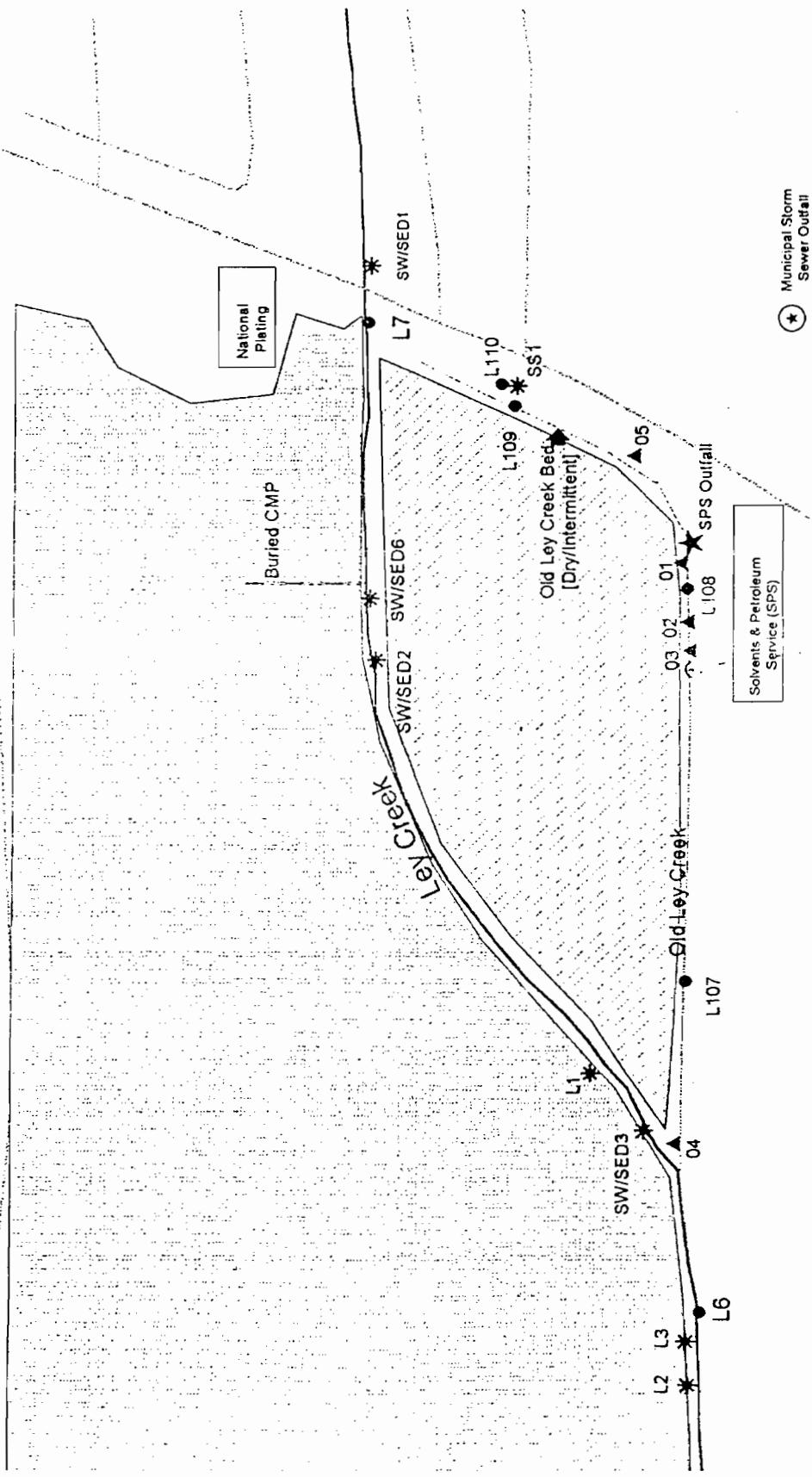


Soil Samples  
 Sediment Samples  
 Railroad Tracks  
 Roads  
 Tributaries  

 Onondaga Lake

1000 0 1000 2000 Feet

# Old Ley Creek Bed Area



Salina Landfill - Approximate Study Area

Suspected Salina Landfill Fill Area  
[To be included in Salina Study]

- 1996 and 1997 DEC Trib Sampling Locations
- \* Salina Landfill PSA Sampling Locations
- ▲ 1987 DEC Sampling Locations

Not to Scale  
All locations are Approximate



- Sediment Samples
- Railroad Tracks
- Roads
- △ Tributaries
- Onondaga Lake

1000 0 1000 2000 Feet

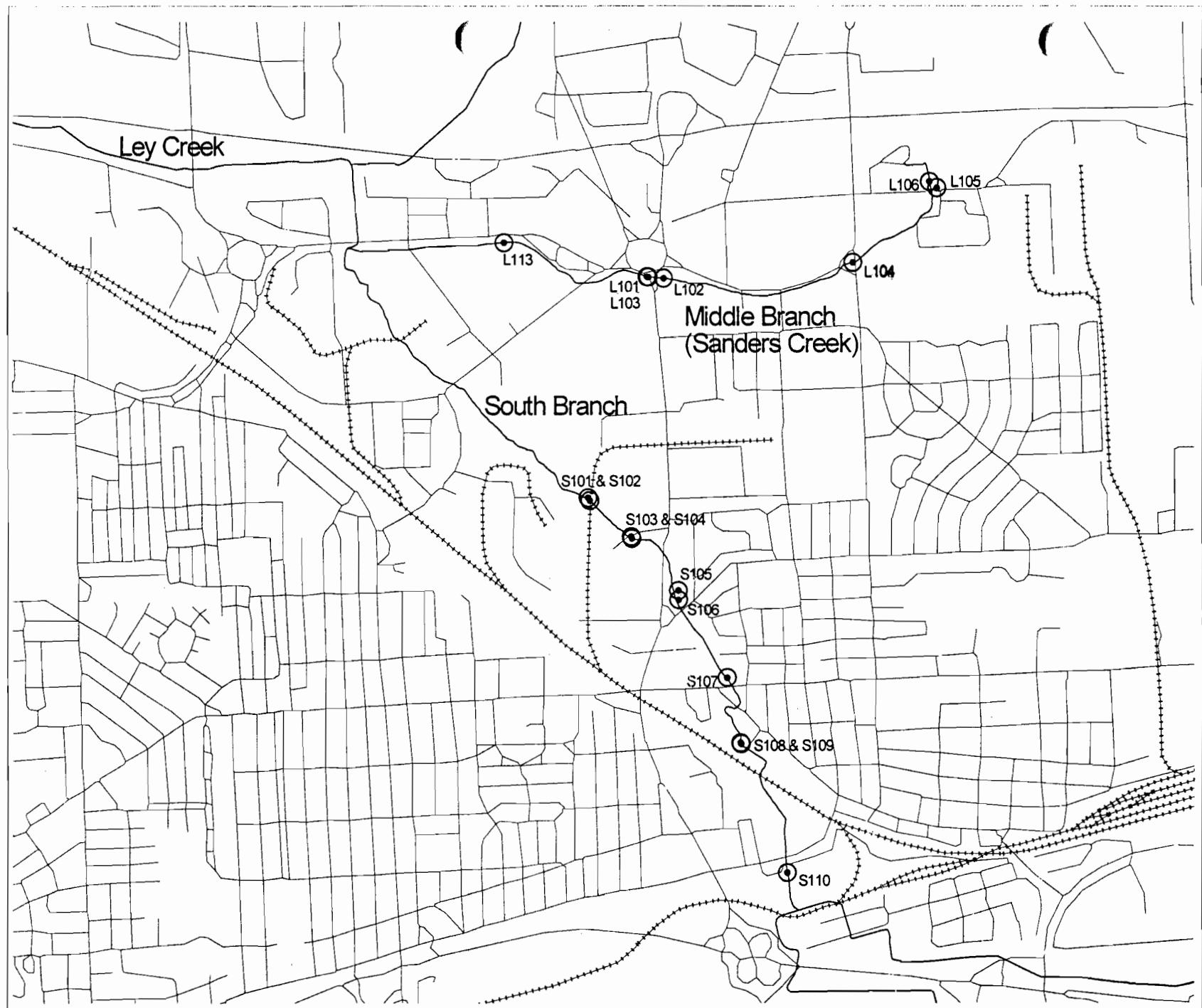


Figure 3e: Upper Ley Creek (Middle and South Branches)  
Second Round Sampling Locations



- Soil Samples
- Sediment Samples
- Railroad Tracks
- Roads
- Tributaries
- Onondaga Lake

1000 0 1000 2000 Feet

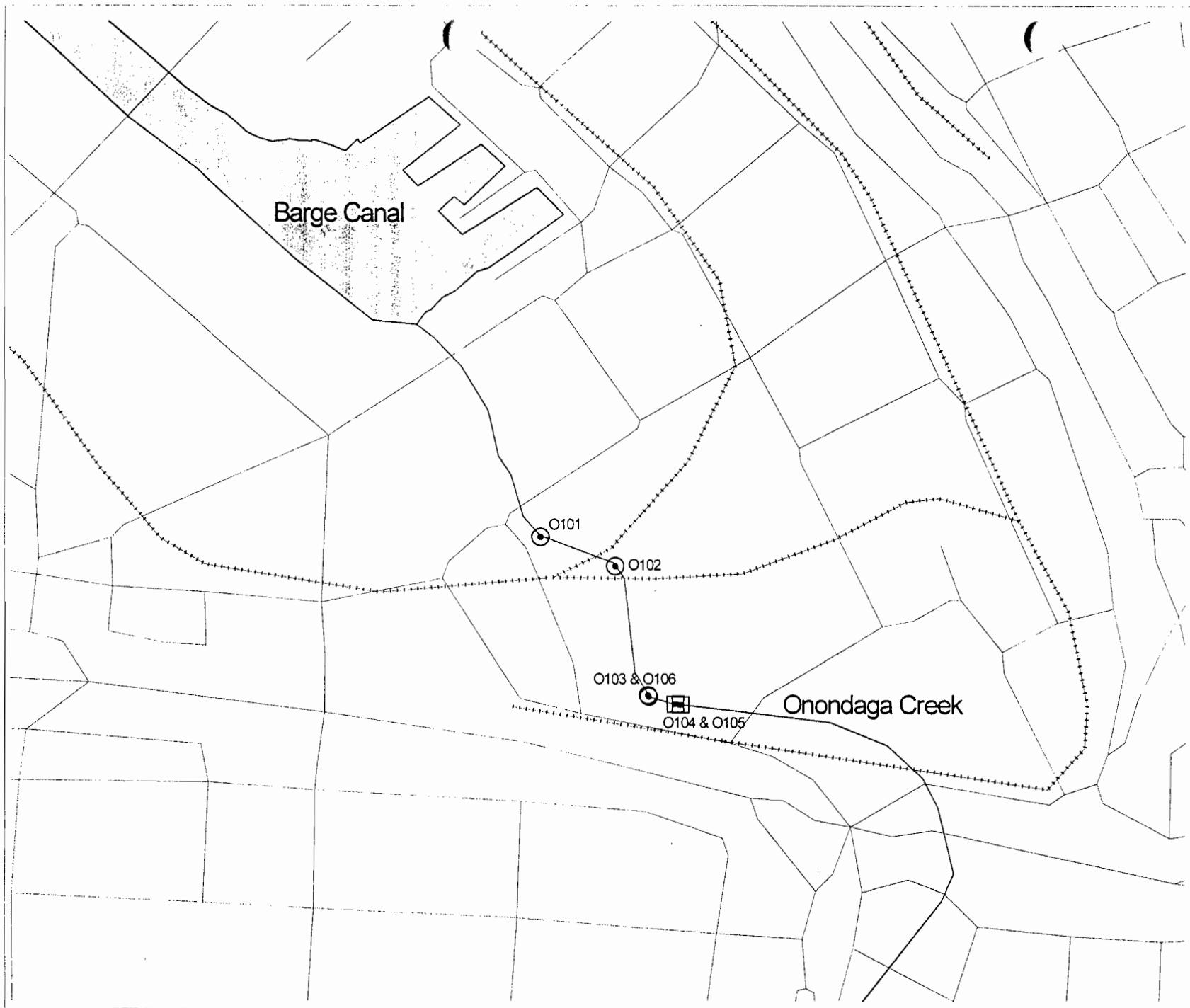
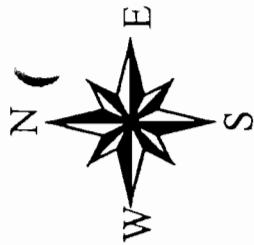


Figure 3f: Onondaga Creek  
Second Round Sampling Locations

Figure 3g: Sawmill Creek  
Second Round Sampling Locations

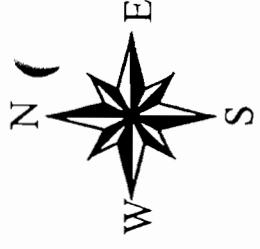
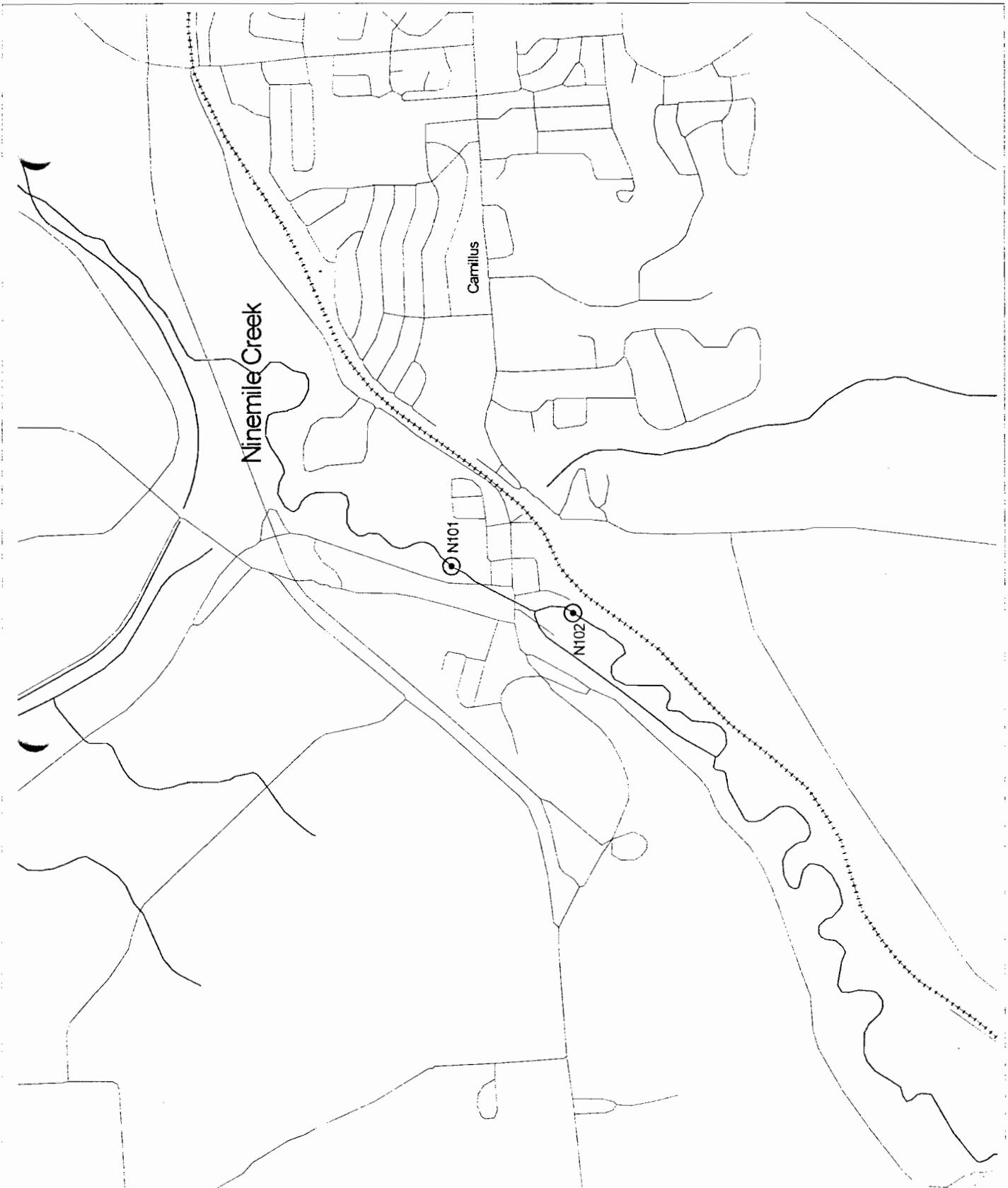


○ Sediment Samples  
Railroad Tracks  
Roads  
Tributaries  
Onondaga Lake



1000 0 1000 2000 Feet

Figure 3h: Ninemile Creek  
Second Round Sampling Locations



○ Sediment Samples  
Railroad Tracks  
Roads  
Tributaries

1000 0 1000 2000 Feet

## Appendix 2: Data Tables

### Table Series B: Bloody Brook

- B-1: All Detections for All Parameters
- B-2: Organic Compounds
- B-3: Metals

### Table Series G: Geddes Brook

- G-1: All Detections for All Parameters
- G-2: Organic Compounds
- G-3: Metals

### Table Series H: Harbor Brook

- H-1: Water Samples - All Detections for All Parameters
- H-1A: Sediment Samples - All Detections for All Parameters
- H-1B: Soil Samples - All Detections for All Parameters
- H-2A: Sediment Samples - Organic Compounds
- H-2B: Soil Samples - Organic Compounds
- H-3A: Sediments Samples - Metals
- H-3B: Soil Samples - Metals

### Table Series L: Ley Creek

- L-1A: Lower Ley Creek Sediment & Soil Samples - All Detections for All Parameters
- L-1B: Upper Ley Creek - All Detections for All Parameters
- L-2A: Lower Ley Creek Sediment & Soil Samples - Organic Compounds
- L-2B: Upper Ley Creek - Organic Compounds
- L-3A: Lower Ley Creek Sediment Samples - Metals
- L-3B: Upper Ley Creek - Metals

### Table Series O: Onondaga Creek

- O-1A: Sediment Samples - All Detections for All Parameters
- O-1B: Soil Samples - All Detections for All Parameters
- O-2A: Sediment Samples - Organic Compounds
- O-2B: Soil Samples - Organic Compounds
- O-3A: Sediment Samples - Metals
- O-3B: Soil Samples - Metals

### Table Series SM: Sawmill Creek

- SM-1: All Detections for All Parameters
- SM-2: Organic Compounds
- SM-3: Metals

### Table Series N: Ninemile Creek

- N-1: All Detections for All Parameters
- N-2: Organic Compounds
- N-3: Metals

Table B-1  
Bloody Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
B101	3,3-Dichlorobenzidine	180 J	ug/kg
B101	Acetone	30 J	ug/kg
B101	Aluminum	4690 *	mg/kg
B101	Aroclor-1254	24 J	ug/kg
B101	Arsenic	2 B	mg/kg
B101	Barium	44 B*	mg/kg
B101	Benzo(a)pyrene	220 J	ug/kg
B101	Benzo(b)fluoranthene	210 J	ug/kg
B101	Benzo(g,h,i)perylene	200 J	ug/kg
B101	Benzo(k)fluoranthene	240 J	ug/kg
B101	Beryllium	0 B	mg/kg
B101	Bis(2-ethylhexyl)phthalate	110 J	ug/kg
B101	Calcium	38100 *	mg/kg
B101	Carbon disulfide	4 J	ug/kg
B101	Chromium	8 *	mg/kg
B101	Chrysene	210 J	ug/kg
B101	Cobalt	4 B	mg/kg
B101	Copper	9 E	mg/kg
B101	Flash point	60 E	degC
B101	Fluoranthene	400 J	ug/kg
B101	Indeno(1,2,3-cd)pyrene	170 J	ug/kg
B101	Iron	11200 *	mg/kg
B101	Lead	6	mg/kg
B101	Magnesium	11400	mg/kg
B101	Manganese	173 N	mg/kg
B101	Nickel	8 B	mg/kg
B101	pH	9	pH
B101	Phenanthrene	120 J	ug/kg
B101	Potassium	1150 B	mg/kg
B101	Pyrene	370 J	ug/kg
B101	Sodium	98 B	mg/kg
B101	Total organic carbon	13500	mg/kg
B101	Total solids	76	%
B101	Unknown	590 JN	ug/kg
B101	Unknown	1600 JN	ug/kg
B101	Vanadium	13	mg/kg
B101	Zinc	37	mg/kg
B102D	3,3-Dichlorobenzidine	45 J	ug/kg
B102D	Acetone	26 J	ug/kg
B102D	Aluminum	3880 *	mg/kg
B102D	Arsenic	1 B	mg/kg
B102D	Barium	36 B*	mg/kg

Table B-1  
Bloody Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
B102D	Benzo(a)pyrene	57 J	ug/kg
B102D	Benzo(b)fluoranthene	63 J	ug/kg
B102D	Benzo(g,h,i)perylene	56 J	ug/kg
B102D	Benzo(k)fluoranthene	65 J	ug/kg
B102D	Beryllium	0 B	mg/kg
B102D	Bis(2-ethylhexyl)phthalate	88 J	ug/kg
B102D	Calcium	59700 *	mg/kg
B102D	Chromium	6 *	mg/kg
B102D	Chrysene	57 J	ug/kg
B102D	Cobalt	5 B	mg/kg
B102D	Copper	8 EJ	mg/kg
B102D	Fluoranthene	100 J	ug/kg
B102D	Indeno(1,2,3-cd)pyrene	48 J	ug/kg
B102D	Iron	11200 *	mg/kg
B102D	Magnesium	7090	mg/kg
B102D	Manganese	194 NJ	mg/kg
B102D	Nickel	7 B	mg/kg
B102D	Potassium	933 B	mg/kg
B102D	Pyrene	97 J	ug/kg
B102D	Sodium	92 B	mg/kg
B102D	Total organic carbon	6710	mg/kg
B102D	Total solids	79	%
B102D	Unknown	720 JN	ug/kg
B102D	Unknown	1800 JN	ug/kg
B102D	Unknown	570 JN	ug/kg
B102D	Unknown	370 JN	ug/kg
B102D	Vanadium	12 B	mg/kg
B102D	Zinc	30	mg/kg
B102S	2-Butanone	15 J	ug/kg
B102S	Acetone	43 J	ug/kg
B102S	Aluminum	7170 *	mg/kg
B102S	Aroclor-1254	68	ug/kg
B102S	Arsenic	4	mg/kg
B102S	Barium	35 B*	mg/kg
B102S	Benzo(a)anthracene	290 J	ug/kg
B102S	Benzo(a)pyrene	380 J	ug/kg
B102S	Benzo(b)fluoranthene	400 J	ug/kg
B102S	Benzo(g,h,i)perylene	370 J	ug/kg
B102S	Benzo(k)fluoranthene	410 J	ug/kg
B102S	Beryllium	0 B	mg/kg
B102S	Bis(2-ethylhexyl)phthalate	140 J	ug/kg
B102S	Calcium	77300 *	mg/kg

Table B-1  
Bloody Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
B102S	Carbon disulfide	9 J	ug/kg
B102S	Chromium	13 *	mg/kg
B102S	Chrysene	370 J	ug/kg
B102S	Cobalt	6 B	mg/kg
B102S	Copper	15 EJ	mg/kg
B102S	Flash point	60	degC
B102S	Fluoranthene	670	ug/kg
B102S	Indeno(1,2,3-cd)pyrene	320 J	ug/kg
B102S	Iron	15600 *	mg/kg
B102S	Lead	17	mg/kg
B102S	Magnesium	12700	mg/kg
B102S	Manganese	296 NJ	mg/kg
B102S	Nickel	14 B	mg/kg
B102S	pH	8	pH
B102S	Phenanthrene	180 J	ug/kg
B102S	Potassium	1500 B	mg/kg
B102S	Pyrene	630	ug/kg
B102S	Sodium	153 B	mg/kg
B102S	Toluene	4 J	ug/kg
B102S	Total organic carbon	34500	mg/kg
B102S	Total solids	57	%
B102S	Unknown	2100 JN	ug/kg
B102S	Vanadium	17 B	mg/kg
B102S	Zinc	117	mg/kg
B103	Acetone	7 J	ug/kg
B103	Aluminum	4000 *	mg/kg
B103	Anthracene	44 J	ug/kg
B103	Aroclor-1254	76	ug/kg
B103	Arsenic	1 B	mg/kg
B103	Barium	65 *	mg/kg
B103	Benzo(a)anthracene	270 J	ug/kg
B103	Benzo(a)pyrene	320 J	ug/kg
B103	Benzo(b)fluoranthene	290 J	ug/kg
B103	Benzo(g,h,i)perylene	310 J	ug/kg
B103	Benzo(k)fluoranthene	370 J	ug/kg
B103	Beryllium	0 B	mg/kg
B103	Bis(2-ethylhexyl)phthalate	140 J	ug/kg
B103	Calcium	49700 *	mg/kg
B103	Carbon disulfide	6 J	ug/kg
B103	Chromium	8 *	mg/kg
B103	Chrysene	310 J	ug/kg
B103	Cobalt	3 B	mg/kg

Table B-1  
Bloody Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
B103	Copper	9 EJ	mg/kg
B103	Fluoranthene	600	ug/kg
B103	Indeno(1,2,3-cd)pyrene	270 J	ug/kg
B103	Iron	10100 *	mg/kg
B103	Lead	4	mg/kg
B103	Magnesium	11500	mg/kg
B103	Manganese	243 NJ	mg/kg
B103	Nickel	6 B	mg/kg
B103	Phenanthrene	190 J	ug/kg
B103	Potassium	1050 B	mg/kg
B103	Pyrene	560	ug/kg
B103	Sodium	103 B	mg/kg
B103	Total organic carbon	19700	mg/kg
B103	Total solids	80	%
B103	Unknown	8 JN	ug/kg
B103	Unknown	1500 JN	ug/kg
B103	Vanadium	18	mg/kg
B103	Zinc	29	mg/kg
B104	Acenaphthene	76 J	ug/kg
B104	Acetone	7 J	ug/kg
B104	Aluminum	3960 *	mg/kg
B104	Anthracene	220 J	ug/kg
B104	Aroclor-1254	170	ug/kg
B104	Arsenic	2 B	mg/kg
B104	Barium	34 B	mg/kg
B104	Benzo(a)anthracene	1400	ug/kg
B104	Benzo(a)pyrene	1700	ug/kg
B104	Benzo(b)fluoranthene	1700	ug/kg
B104	Benzo(g,h,i)perylene	1600	ug/kg
B104	Benzo(k)fluoranthene	1600	ug/kg
B104	Beryllium	0 B	mg/kg
B104	Bis(2-ethylhexyl)phthalate	270 J	ug/kg
B104	Cadmium	1 B	mg/kg
B104	Calcium	50000 *	mg/kg
B104	Carbazole	170 J	ug/kg
B104	Carbon disulfide	3 J	ug/kg
B104	Chromium	8 *	mg/kg
B104	Chrysene	1800	ug/kg
B104	Cobalt	3 B	mg/kg
B104	Copper	12 *J	mg/kg
B104	Fluoranthene	2600	ug/kg
B104	Fluorene	74 J	ug/kg

Table B-1  
Bloody Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
B104	Indeno(1,2,3-cd)pyrene	1500	ug/kg
B104	Iron	8610 *	mg/kg
B104	Lead	11	mg/kg
B104	Magnesium	10400	mg/kg
B104	Manganese	214	mg/kg
B104	Nickel	7 B	mg/kg
B104	Phenanthrene	990	ug/kg
B104	Potassium	1070 B	mg/kg
B104	Pyrene	2600	ug/kg
B104	Sodium	93 B	mg/kg
B104	Total organic carbon	34300	mg/kg
B104	Total solids	75	%
B104	Unknown	930 JN	ug/kg
B104	Unknown	640 JN	ug/kg
B104	Vanadium	11 B	mg/kg
B104	Zinc	114 *	mg/kg
B104A	Aroclor-1254	200	ug/kg
B104A	Total solids	76	%

Table B-2  
Bloody Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
B101	3,3-Dichlorobenzidine	180 J	ug/kg
B101	Acetone	30 J	ug/kg
B101	Aroclor-1254	24 J	ug/kg
B101	Benzo(a)pyrene	220 J	ug/kg
B101	Benzo(b)fluoranthene	210 J	ug/kg
B101	Benzo(g,h,i)perylene	200 J	ug/kg
B101	Benzo(k)fluoranthene	240 J	ug/kg
B101	Bis(2-ethylhexyl)phthalate	110 J	ug/kg
B101	Carbon disulfide	4 J	ug/kg
B101	Chrysene	210 J	ug/kg
B101	Fluoranthene	400 J	ug/kg
B101	Indeno(1,2,3-cd)pyrene	170 J	ug/kg
B101	Phenanthrene	120 J	ug/kg
B101	Pyrene	370 J	ug/kg
B101	Unknown	590 JN	ug/kg
B101	Unknown	1600 JN	ug/kg
B102D	3,3-Dichlorobenzidine	45 J	ug/kg
B102D	Acetone	26 J	ug/kg
B102D	Benzo(a)pyrene	57 J	ug/kg
B102D	Benzo(b)fluoranthene	63 J	ug/kg
B102D	Benzo(g,h,i)perylene	56 J	ug/kg
B102D	Benzo(k)fluoranthene	65 J	ug/kg
B102D	Bis(2-ethylhexyl)phthalate	88 J	ug/kg
B102D	Chrysene	57 J	ug/kg
B102D	Fluoranthene	100 J	ug/kg
B102D	Indeno(1,2,3-cd)pyrene	48 J	ug/kg
B102D	Pyrene	97 J	ug/kg
B102D	Unknown	1800 JN	ug/kg
B102D	Unknown	370 JN	ug/kg
B102D	Unknown	720 JN	ug/kg
B102D	Unknown	570 JN	ug/kg
B102S	2-Butanone	15 J	ug/kg
B102S	Acetone	43 J	ug/kg
B102S	Aroclor-1254	68	ug/kg
B102S	Benzo(a)anthracene	290 J	ug/kg
B102S	Benzo(a)pyrene	380 J	ug/kg
B102S	Benzo(b)fluoranthene	400 J	ug/kg
B102S	Benzo(g,h,i)perylene	370 J	ug/kg
B102S	Benzo(k)fluoranthene	410 J	ug/kg
B102S	Bis(2-ethylhexyl)phthalate	140 J	ug/kg
B102S	Carbon disulfide	9 J	ug/kg
B102S	Chrysene	370 J	ug/kg

Table B-2  
Bloody Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
B102S	Fluoranthene	670	ug/kg
B102S	Indeno(1,2,3-cd)pyrene	320 J	ug/kg
B102S	Phenanthrene	180 J	ug/kg
B102S	Pyrene	630	ug/kg
B102S	Toluene	4 J	ug/kg
B102S	Unknown	2100 JN	ug/kg
B103	Acetone	7 J	ug/kg
B103	Anthracene	44 J	ug/kg
B103	Aroclor-1254	76	ug/kg
B103	Benzo(a)anthracene	270 J	ug/kg
B103	Benzo(a)pyrene	320 J	ug/kg
B103	Benzo(b)fluoranthene	290 J	ug/kg
B103	Benzo(g,h,i)perylene	310 J	ug/kg
B103	Benzo(k)fluoranthene	370 J	ug/kg
B103	Bis(2-ethylhexyl)phthalate	140 J	ug/kg
B103	Carbon disulfide	6 J	ug/kg
B103	Chrysene	310 J	ug/kg
B103	Fluoranthene	600	ug/kg
B103	Indeno(1,2,3-cd)pyrene	270 J	ug/kg
B103	Phenanthrene	190 J	ug/kg
B103	Pyrene	560	ug/kg
B103	Unknown	1500 JN	ug/kg
B103	Unknown	8 JN	ug/kg
B104	Acenaphthene	76 J	ug/kg
B104	Acetone	7 J	ug/kg
B104	Anthracene	220 J	ug/kg
B104	Aroclor-1254	170	ug/kg
B104	Benzo(a)anthracene	1400	ug/kg
B104	Benzo(a)pyrene	1700	ug/kg
B104	Benzo(b)fluoranthene	1700	ug/kg
B104	Benzo(g,h,i)perylene	1600	ug/kg
B104	Benzo(k)fluoranthene	1600	ug/kg
B104	Bis(2-ethylhexyl)phthalate	270 J	ug/kg
B104	Carbazole	170 J	ug/kg
B104	Carbon disulfide	3 J	ug/kg
B104	Chrysene	1800	ug/kg
B104	Fluoranthene	2600	ug/kg
B104	Fluorene	74 J	ug/kg
B104	Indeno(1,2,3-cd)pyrene	1500	ug/kg
B104	Phenanthrene	990	ug/kg
B104	Pyrene	2600	ug/kg
B104	Unknown	930 JN	ug/kg

**Table B-2**  
**Bloody Brook Sediments - Organic Compounds**

Location	Parameter	Results	Units
B104	Unknown	640 JN	ug/kg
B104A	Aroclor-1254	200	ug/kg

Table B-3  
Bloody Brook Sediments - Metals

Location	Parameter	Results	Units
B101	Aluminum	4690 *	mg/kg
B101	Arsenic	2 B	mg/kg
B101	Barium	44 B*	mg/kg
B101	Beryllium	0 B	mg/kg
B101	Calcium	38100 *	mg/kg
B101	Chromium	8 *	mg/kg
B101	Cobalt	4 B	mg/kg
B101	Copper	9 E	mg/kg
B101	Iron	11200 *	mg/kg
B101	Lead	6	mg/kg
B101	Magnesium	11400	mg/kg
B101	Manganese	173 N	mg/kg
B101	Nickel	8 B	mg/kg
B101	Potassium	1150 B	mg/kg
B101	Sodium	98 B	mg/kg
B101	Vanadium	13	mg/kg
B101	Zinc	37	mg/kg
B102D	Aluminum	3880 *	mg/kg
B102D	Arsenic	1 B	mg/kg
B102D	Barium	36 B*	mg/kg
B102D	Beryllium	0 B	mg/kg
B102D	Calcium	59700 *	mg/kg
B102D	Chromium	6 *	mg/kg
B102D	Cobalt	5 B	mg/kg
B102D	Copper	8 EJ	mg/kg
B102D	Iron	11200 *	mg/kg
B102D	Magnesium	7090	mg/kg
B102D	Manganese	194 NJ	mg/kg
B102D	Nickel	7 B	mg/kg
B102D	Potassium	933 B	mg/kg
B102D	Sodium	92 B	mg/kg
B102D	Vanadium	12 B	mg/kg
B102D	Zinc	30	mg/kg
B102S	Aluminum	7170 *	mg/kg
B102S	Arsenic	4	mg/kg
B102S	Barium	35 B*	mg/kg
B102S	Beryllium	0 B	mg/kg
B102S	Calcium	77300 *	mg/kg
B102S	Chromium	13 *	mg/kg
B102S	Cobalt	6 B	mg/kg
B102S	Copper	15 EJ	mg/kg
B102S	Iron	15600 *	mg/kg

Table B-3  
Bloody Brook Sediments - Metals

Location	Parameter	Results	Units
B102S	Lead	17	mg/kg
B102S	Magnesium	12700	mg/kg
B102S	Manganese	296 NJ	mg/kg
B102S	Nickel	14 B	mg/kg
B102S	Potassium	1500 B	mg/kg
B102S	Sodium	153 B	mg/kg
B102S	Vanadium	17 B	mg/kg
B102S	Zinc	117	mg/kg
B103	Aluminum	4000 *	mg/kg
B103	Arsenic	1 B	mg/kg
B103	Barium	65 *	mg/kg
B103	Beryllium	0 B	mg/kg
B103	Calcium	49700 *	mg/kg
B103	Chromium	8 *	mg/kg
B103	Cobalt	3 B	mg/kg
B103	Copper	9 EJ	mg/kg
B103	Iron	10100 *	mg/kg
B103	Lead	4	mg/kg
B103	Magnesium	11500	mg/kg
B103	Manganese	243 NJ	mg/kg
B103	Nickel	6 B	mg/kg
B103	Potassium	1050 B	mg/kg
B103	Sodium	103 B	mg/kg
B103	Vanadium	18	mg/kg
B103	Zinc	29	mg/kg
B104	Aluminum	3960 *	mg/kg
B104	Arsenic	2 B	mg/kg
B104	Barium	34 B	mg/kg
B104	Beryllium	0 B	mg/kg
B104	Cadmium	1 B	mg/kg
B104	Calcium	50000 *	mg/kg
B104	Chromium	8 *	mg/kg
B104	Cobalt	3 B	mg/kg
B104	Copper	12 *J	mg/kg
B104	Iron	8610 *	mg/kg
B104	Lead	11	mg/kg
B104	Magnesium	10400	mg/kg
B104	Manganese	214	mg/kg
B104	Nickel	7 B	mg/kg
B104	Potassium	1070 B	mg/kg
B104	Sodium	93 B	mg/kg
B104	Vanadium	11 B	mg/kg

**Table B-3**  
**Bloody Brook Sediments - Metals**

Location	Parameter	Results	Units
B104	Zinc	114 *	mg/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G1	Cadmium	0 B	mg/kg
G101	2-Butanone	18 J	ug/kg
G101	Acetone	63 J	ug/kg
G101	Aluminum	7140 *	mg/kg
G101	Arsenic	5	mg/kg
G101	Barium	63 B	mg/kg
G101	Benzo(a)anthracene	170 J	ug/kg
G101	Benzo(a)pyrene	140 J	ug/kg
G101	Benzo(b)fluoranthene	180 J	ug/kg
G101	Benzo(g,h,i)perylene	140 J	ug/kg
G101	Benzo(k)fluoranthene	180 J	ug/kg
G101	Beryllium	0 B	mg/kg
G101	Cadmium	0 B	mg/kg
G101	Calcium	69600 *	mg/kg
G101	Carbon disulfide	13 J	ug/kg
G101	Chromium	25 *	mg/kg
G101	Chrysene	220 J	ug/kg
G101	Cobalt	7 B	mg/kg
G101	Copper	45 *J	mg/kg
G101	Fluoranthene	410 J	ug/kg
G101	Indeno(1,2,3-cd)pyrene	130 J	ug/kg
G101	Iron	16000 *	mg/kg
G101	Lead	25	mg/kg
G101	Magnesium	11500	mg/kg
G101	Manganese	378	mg/kg
G101	Mercury	0	mg/kg
G101	Nickel	16	mg/kg
G101	Potassium	1490 B	mg/kg
G101	Pyrene	380 J	ug/kg
G101	Sodium	194 B	mg/kg
G101	Total organic carbon	91900	mg/kg
G101	Total solids	52	%
G101	Unknown	970 JN	ug/kg
G101	Unknown	610 JN	ug/kg
G101	Unknown	630 JN	ug/kg
G101	Unknown	1000 JN	ug/kg
G101	Unknown	14 JN	ug/kg
G101	Unknown	830 JN	ug/kg
G101	Unknown	680 JN	ug/kg
G101	Vanadium	14 B	mg/kg
G101	Zinc	80 *	mg/kg
G102	2-Butanone	12 J	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G102	Acetone	41 J	ug/kg
G102	Aluminum	11600 *	mg/kg
G102	Arsenic	5	mg/kg
G102	Barium	97	mg/kg
G102	Benzo(a)anthracene	110 J	ug/kg
G102	Benzo(a)pyrene	94 J	ug/kg
G102	Benzo(b)fluoranthene	100 J	ug/kg
G102	Benzo(g,h,i)perylene	93 J	ug/kg
G102	Benzo(k)fluoranthene	110 J	ug/kg
G102	Beryllium	1 B	mg/kg
G102	Cadmium	1 B	mg/kg
G102	Calcium	57000 *	mg/kg
G102	Carbon disulfide	4 J	ug/kg
G102	Chromium	61 *	mg/kg
G102	Chrysene	130 J	ug/kg
G102	Cobalt	8 B	mg/kg
G102	Copper	55 *J	mg/kg
G102	Fluoranthene	180 J	ug/kg
G102	Indeno(1,2,3-cd)pyrene	78 J	ug/kg
G102	Iron	18300 *	mg/kg
G102	Lead	136	mg/kg
G102	Magnesium	21700	mg/kg
G102	Manganese	400	mg/kg
G102	Mercury	1	mg/kg
G102	Nickel	22	mg/kg
G102	Phenanthrene	70 J	ug/kg
G102	Potassium	2570	mg/kg
G102	Pyrene	200 J	ug/kg
G102	Sodium	199 B	mg/kg
G102	Total organic carbon	47000	mg/kg
G102	Total solids	58	%
G102	Unknown	880 JN	ug/kg
G102	Unknown	5000 JN	ug/kg
G102	Unknown	790 JN	ug/kg
G102	Unknown	870 JN	ug/kg
G102	Unknown	1100 JN	ug/kg
G102	Unknown	1100 JN	ug/kg
G102	Vanadium	20	mg/kg
G102	Zinc	114 *	mg/kg
G103	1,2,4-Trichlorobenzene	830 J	ug/kg
G103	1,2-Dichlorobenzene	3600 J	ug/kg
G103	1,2-Dichloroethene (Total)	17 J	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G103	1,3-Dichlorobenzene	1000 J	ug/kg
G103	1,4-Dichlorobenzene	3900 J	ug/kg
G103	2-Butanone	29 J	ug/kg
G103	2-Methylnaphthalene	780 J	ug/kg
G103	4-Methylphenol	130 J	ug/kg
G103	Acenaphthene	690 J	ug/kg
G103	Acenaphthylene	210 J	ug/kg
G103	Acetone	90 J	ug/kg
G103	Aluminum	8620 *J	mg/kg
G103	Anthracene	1600 J	ug/kg
G103	Antimony	3 BNJ	mg/kg
G103	Aroclor-1016	670 J	ug/kg
G103	Aroclor-1254	1300 J	ug/kg
G103	Aroclor-1260	1200 J	ug/kg
G103	Arsenic	19 J	mg/kg
G103	Barium	268 J	mg/kg
G103	Benzene	17 J	ug/kg
G103	Benzo(a)anthracene	4600 J	ug/kg
G103	Benzo(a)pyrene	3000 J	ug/kg
G103	Benzo(b)fluoranthene	4700 J	ug/kg
G103	Benzo(g,h,i)perylene	2300 J	ug/kg
G103	Benzo(k)fluoranthene	3000 J	ug/kg
G103	Beryllium	1 BJ	mg/kg
G103	Cadmium	2 BJ	mg/kg
G103	Calcium	412000 *J	mg/kg
G103	Carbazole	760 J	ug/kg
G103	Carbon disulfide	30 J	ug/kg
G103	Chlorobenzene	820 JD	ug/kg
G103	Chromium	67 *J	mg/kg
G103	Chrysene	5500 J	ug/kg
G103	Cobalt	11 BJ	mg/kg
G103	Copper	223 *J	mg/kg
G103	Ethylbenzene	12 J	ug/kg
G103	Fluoranthene	8600 J	ug/kg
G103	Fluorene	1200 J	ug/kg
G103	Indeno(1,2,3-cd)pyrene	2200 J	ug/kg
G103	Iron	27400 *J	mg/kg
G103	Lead	418 J	mg/kg
G103	Magnesium	20800 J	mg/kg
G103	Manganese	491 J	mg/kg
G103	Mercury	89 J	mg/kg
G103	Naphthalene	2400 J	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G103	Nickel	54 J	mg/kg
G103	Phenanthrene	6200 J	ug/kg
G103	Potassium	3010 BJ	mg/kg
G103	Pyrene	7100 J	ug/kg
G103	Silver	1 BJ	mg/kg
G103	Sodium	6860 J	mg/kg
G103	Thallium	2 BJ	mg/kg
G103	Toluene	7 J	ug/kg
G103	Total organic carbon	164000	mg/kg
G103	Total solids	26	%
G103	Unknown	50 JN	ug/kg
G103	Unknown	3700 JN	ug/kg
G103	Unknown	72 JN	ug/kg
G103	Unknown	4000 JN	ug/kg
G103	Unknown	1000 JN	ug/kg
G103	Unknown	990 JN	ug/kg
G103	Unknown	1900 JN	ug/kg
G103	Unknown	22 JN	ug/kg
G103	Unknown	810 JN	ug/kg
G103	Unknown	2000 JN	ug/kg
G103	Vanadium	28 BJ	mg/kg
G103	Xylene (Total)	57 J	ug/kg
G103	Zinc	175 *J	mg/kg
G104	1,2-Dichlorobenzene	110 J	ug/kg
G104	1,4-Dichlorobenzene	350 J	ug/kg
G104	2-Butanone	18	ug/kg
G104	2-Methylnaphthalene	94 J	ug/kg
G104	Acenaphthene	67 J	ug/kg
G104	Acenaphthylene	320 J	ug/kg
G104	Acetone	49 J	ug/kg
G104	Aluminum	2990 *	mg/kg
G104	Anthracene	300 J	ug/kg
G104	Aroclor-1016	78	ug/kg
G104	Aroclor-1254	66	ug/kg
G104	Aroclor-1260	66 PJ	ug/kg
G104	Arsenic	3 B	mg/kg
G104	Barium	100	mg/kg
G104	Benzo(a)anthracene	1100	ug/kg
G104	Benzo(a)pyrene	1100	ug/kg
G104	Benzo(b)fluoranthene	1300	ug/kg
G104	Benzo(g,h,i)perylene	840	ug/kg
G104	Benzo(k)fluoranthene	1200 J	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G104	Beryllium	0 B	mg/kg
G104	Cadmium	0 B	mg/kg
G104	Calcium	293000 *	mg/kg
G104	Carbazole	130 J	ug/kg
G104	Carbon disulfide	2 J	ug/kg
G104	Chromium	28 *	mg/kg
G104	Chrysene	1700	ug/kg
G104	Cobalt	3 B	mg/kg
G104	Copper	25 *J	mg/kg
G104	Dibenzofuran	93 J	ug/kg
G104	Fluoranthene	2600	ug/kg
G104	Fluorene	210 J	ug/kg
G104	Indeno(1,2,3-cd)pyrene	820	ug/kg
G104	Iron	5880 *	mg/kg
G104	Lead	56	mg/kg
G104	Magnesium	6190	mg/kg
G104	Manganese	410	mg/kg
G104	Mercury	3	mg/kg
G104	Naphthalene	150 J	ug/kg
G104	Nickel	9 B	mg/kg
G104	Phenanthrene	980	ug/kg
G104	Potassium	905 B	mg/kg
G104	Pyrene	2500	ug/kg
G104	Sodium	3120	mg/kg
G104	Total organic carbon	133000	mg/kg
G104	Total solids	58	%
G104	Unknown	410 JN	ug/kg
G104	Unknown	2000 JN	ug/kg
G104	Unknown	890 JN	ug/kg
G104	Unknown	490 JN	ug/kg
G104	Vanadium	9 B	mg/kg
G104	Zinc	86 *	mg/kg
G105	1,4-Dichlorobenzene	130 J	ug/kg
G105	2,4-Dimethylphenol	110 J	ug/kg
G105	2-Butanone	19 J	ug/kg
G105	2-Methylnaphthalene	300 J	ug/kg
G105	4-Methylphenol	170 J	ug/kg
G105	Acenaphthene	270 J	ug/kg
G105	Acenaphthylene	2100 J	ug/kg
G105	Acetone	54 J	ug/kg
G105	Aluminum	9940 *J	mg/kg
G105	Anthracene	1600 J	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G105	Aroclor-1016	33 JP	ug/kg
G105	Aroclor-1260	39 JPN	ug/kg
G105	Arsenic	12 J	mg/kg
G105	Barium	124 J	mg/kg
G105	Benzo(a)anthracene	7500 JD	ug/kg
G105	Benzo(a)pyrene	8500 JD	ug/kg
G105	Benzo(b)fluoranthene	8800 JD	ug/kg
G105	Benzo(g,h,i)perylene	3500 J	ug/kg
G105	Beryllium	1 BJ	mg/kg
G105	Cadmium	1 BJ	mg/kg
G105	Calcium	128000 *J	mg/kg
G105	Carbazole	880 J	ug/kg
G105	Carbon disulfide	9 J	ug/kg
G105	Chromium	28 *J	mg/kg
G105	Chrysene	11000 JD	ug/kg
G105	Cobalt	8 BJ	mg/kg
G105	Copper	72 *J	mg/kg
G105	Dibenzofuran	420 J	ug/kg
G105	Fluoranthene	20000 JD	ug/kg
G105	Fluorene	860 J	ug/kg
G105	Indeno(1,2,3-cd)pyrene	3900 J	ug/kg
G105	Iron	17400 *J	mg/kg
G105	Lead	144 J	mg/kg
G105	Magnesium	13700 J	mg/kg
G105	Manganese	579 J	mg/kg
G105	Mercury	1 J	mg/kg
G105	Naphthalene	490 J	ug/kg
G105	Nickel	19 J	mg/kg
G105	Phenanthrene	4700 J	ug/kg
G105	Potassium	2380 J	mg/kg
G105	Pyrene	16000 JD	ug/kg
G105	Sodium	1300 BJ	mg/kg
G105	Total organic carbon	76800	mg/kg
G105	Total solids	49	%
G105	Unknown	5000 JN	ug/kg
G105	Unknown	4300 JN	ug/kg
G105	Unknown	3500 JN	ug/kg
G105	Unknown	3900 JN	ug/kg
G105	Unknown	4200 JN	ug/kg
G105	Unknown	5700 JN	ug/kg
G105	Unknown	11 JN	ug/kg
G105	Unknown	7600 JN	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G105	Unknown	3100 JN	ug/kg
G105	Vanadium	20 BJ	mg/kg
G105	Zinc	220 *J	mg/kg
G106	2-Methylnaphthalene	540 J	ug/kg
G106	Acenaphthene	400 J	ug/kg
G106	Acenaphthylene	270 J	ug/kg
G106	Acetone	15 J	ug/kg
G106	Aluminum	8320 *	mg/kg
G106	Anthracene	2100	ug/kg
G106	Arsenic	2 B	mg/kg
G106	Barium	44 B	mg/kg
G106	Benzo(a)anthracene	3100	ug/kg
G106	Benzo(a)pyrene	1700	ug/kg
G106	Benzo(b)fluoranthene	3100	ug/kg
G106	Benzo(g,h,i)perylene	980	ug/kg
G106	Benzo(k)fluoranthene	1400 J	ug/kg
G106	Beryllium	0 B	mg/kg
G106	Cadmium	0 B	mg/kg
G106	Calcium	102000 *	mg/kg
G106	Carbazole	910	ug/kg
G106	Carbon disulfide	2 J	ug/kg
G106	Chromium	15 *	mg/kg
G106	Chrysene	3500	ug/kg
G106	Cobalt	7 B	mg/kg
G106	Copper	18 *J	mg/kg
G106	Dibenzofuran	900	ug/kg
G106	Fluoranthene	7200 D	ug/kg
G106	Fluorene	860	ug/kg
G106	Indeno(1,2,3-cd)pyrene	1100	ug/kg
G106	Iron	14400 *	mg/kg
G106	Lead	21	mg/kg
G106	Magnesium	22800	mg/kg
G106	Manganese	385	mg/kg
G106	Naphthalene	1300	ug/kg
G106	Nickel	16	mg/kg
G106	Phenanthrene	7400 D	ug/kg
G106	Potassium	2500	mg/kg
G106	Pyrene	5600 D	ug/kg
G106	Sodium	250 B	mg/kg
G106	Total organic carbon	30200	mg/kg
G106	Total solids	61	%
G106	Unknown	340 JN	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G106	Unknown	200 JN	ug/kg
G106	Unknown	380 JN	ug/kg
G106	Unknown	340 JN	ug/kg
G106	Unknown	1800 JN	ug/kg
G106	Vanadium	17	mg/kg
G106	Zinc	93 *	mg/kg
G107	Acenaphthylene	110 J	ug/kg
G107	Aluminum	6230 *	mg/kg
G107	Anthracene	140 J	ug/kg
G107	Arsenic	2 B	mg/kg
G107	Barium	23 B	mg/kg
G107	Benzo(a)anthracene	620	ug/kg
G107	Benzo(a)pyrene	470	ug/kg
G107	Benzo(b)fluoranthene	640	ug/kg
G107	Benzo(g,h,i)perylene	330 J	ug/kg
G107	Benzo(k)fluoranthene	620 J	ug/kg
G107	Beryllium	0 B	mg/kg
G107	Cadmium	0 B	mg/kg
G107	Calcium	119000 *	mg/kg
G107	Carbazole	91 J	ug/kg
G107	Chromium	12 *	mg/kg
G107	Chrysene	760	ug/kg
G107	Cobalt	4 B	mg/kg
G107	Copper	13 *J	mg/kg
G107	Fluoranthene	1300	ug/kg
G107	Fluorene	65 J	ug/kg
G107	Indeno(1,2,3-cd)pyrene	340 J	ug/kg
G107	Iron	10000 *	mg/kg
G107	Lead	8	mg/kg
G107	Magnesium	44500	mg/kg
G107	Manganese	278	mg/kg
G107	Nickel	13	mg/kg
G107	Phenanthrene	660	ug/kg
G107	Potassium	2010	mg/kg
G107	Pyrene	1000	ug/kg
G107	Sodium	189 B	mg/kg
G107	Total organic carbon	11500	mg/kg
G107	Total solids	77	%
G107	Unknown	650 JN	ug/kg
G107	Unknown	4300 JN	ug/kg
G107	Vanadium	12 B	mg/kg
G107	Zinc	36 *	mg/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
G2	Cadmium	0 B	mg/kg
N103	Acenaphthylene	95 J	ug/kg
N103	Acetone	17 J	ug/kg
N103	Aluminum	5600 *J	mg/kg
N103	Arsenic	12 J	mg/kg
N103	Barium	93 J	mg/kg
N103	Benzo(a)anthracene	130 J	ug/kg
N103	Benzo(a)pyrene	110 J	ug/kg
N103	Benzo(b)fluoranthene	140 J	ug/kg
N103	Benzo(k)fluoranthene	140 J	ug/kg
N103	Beryllium	1 BJ	mg/kg
N103	Bis(2-ethylhexyl)phthalate	570 J	ug/kg
N103	Cadmium	1 BJ	mg/kg
N103	Calcium	305000 *J	mg/kg
N103	Carbon disulfide	10 J	ug/kg
N103	Chromium	14 *J	mg/kg
N103	Chrysene	170 J	ug/kg
N103	Cobalt	5 BJ	mg/kg
N103	Copper	67 *J	mg/kg
N103	Fluoranthene	260 J	ug/kg
N103	Hexachlorobenzene	340 J	ug/kg
N103	Iron	7720 *J	mg/kg
N103	Lead	20 J	mg/kg
N103	Magnesium	11500 J	mg/kg
N103	Manganese	416 J	mg/kg
N103	Mercury	3 J	mg/kg
N103	Nickel	36 J	mg/kg
N103	Phenanthrene	210 J	ug/kg
N103	Potassium	403 BJ	mg/kg
N103	Pyrene	260 J	ug/kg
N103	Sodium	1240 BJ	mg/kg
N103	Total organic carbon	90500	mg/kg
N103	Total solids	43	%
N103	Vanadium	21 BJ	mg/kg
N103	Zinc	137 *J	mg/kg
N104	Acetone	25 J	ug/kg
N104	Aluminum	2700 *J	mg/kg
N104	Arsenic	3 BJ	mg/kg
N104	Barium	69 BJ	mg/kg
N104	Benzo(a)anthracene	130 J	ug/kg
N104	Benzo(a)pyrene	140 J	ug/kg
N104	Benzo(b)fluoranthene	180 J	ug/kg

Table G-1  
Geddes Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
N104	Benzo(k)fluoranthene	220 J	ug/kg
N104	Beryllium	0 BJ	mg/kg
N104	Bis(2-ethylhexyl)phthalate	280 J	ug/kg
N104	Cadmium	0 BJ	mg/kg
N104	Calcium	264000 *J	mg/kg
N104	Carbon disulfide	6 J	ug/kg
N104	Chromium	6 *J	mg/kg
N104	Chrysene	190 J	ug/kg
N104	Cobalt	14 BJ	mg/kg
N104	Copper	16 *J	mg/kg
N104	Fluoranthene	340 J	ug/kg
N104	Hexachlorobenzene	280 J	ug/kg
N104	Iron	4550 *J	mg/kg
N104	Lead	31 J	mg/kg
N104	Magnesium	29900 J	mg/kg
N104	Manganese	321 J	mg/kg
N104	Mercury	3 J	mg/kg
N104	Nickel	14 BJ	mg/kg
N104	Phenanthrene	130 J	ug/kg
N104	Potassium	786 BJ	mg/kg
N104	Pyrene	270 J	ug/kg
N104	Sodium	1210 BJ	mg/kg
N104	Thallium	2 BJ	mg/kg
N104	Total organic carbon	175000	mg/kg
N104	Total solids	40	%
N104	Unknown	3400 JN	ug/kg
N104	Unknown	3900 J	ug/kg
N104	Vanadium	8 BJ	mg/kg
N104	Zinc	62 *J	mg/kg

Table G-2  
Geddes Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
G101	2-Butanone	18 J	ug/kg
G101	Acetone	63 J	ug/kg
G101	Benzo(a)anthracene	170 J	ug/kg
G101	Benzo(a)pyrene	140 J	ug/kg
G101	Benzo(b)fluoranthene	180 J	ug/kg
G101	Benzo(g,h,i)perylene	140 J	ug/kg
G101	Benzo(k)fluoranthene	180 J	ug/kg
G101	Carbon disulfide	13 J	ug/kg
G101	Chrysene	220 J	ug/kg
G101	Fluoranthene	410 J	ug/kg
G101	Indeno(1,2,3-cd)pyrene	130 J	ug/kg
G101	Pyrene	380 J	ug/kg
G101	Unknown	970 JN	ug/kg
G101	Unknown	830 JN	ug/kg
G101	Unknown	610 JN	ug/kg
G101	Unknown	630 JN	ug/kg
G101	Unknown	1000 JN	ug/kg
G101	Unknown	680 JN	ug/kg
G101	Unknown	14 JN	ug/kg
G102	2-Butanone	12 J	ug/kg
G102	Acetone	41 J	ug/kg
G102	Benzo(a)anthracene	110 J	ug/kg
G102	Benzo(a)pyrene	94 J	ug/kg
G102	Benzo(b)fluoranthene	100 J	ug/kg
G102	Benzo(g,h,i)perylene	93 J	ug/kg
G102	Benzo(k)fluoranthene	110 J	ug/kg
G102	Carbon disulfide	4 J	ug/kg
G102	Chrysene	130 J	ug/kg
G102	Fluoranthene	180 J	ug/kg
G102	Indeno(1,2,3-cd)pyrene	78 J	ug/kg
G102	Phenanthrene	70 J	ug/kg
G102	Pyrene	200 J	ug/kg
G102	Unknown	1100 JN	ug/kg
G102	Unknown	880 JN	ug/kg
G102	Unknown	1100 JN	ug/kg
G102	Unknown	790 JN	ug/kg
G102	Unknown	5000 JN	ug/kg
G102	Unknown	870 JN	ug/kg
G103	1,2,4-Trichlorobenzene	830 J	ug/kg
G103	1,2-Dichlorobenzene	3600 J	ug/kg
G103	1,2-Dichloroethene (Total)	17 J	ug/kg
G103	1,3-Dichlorobenzene	1000 J	ug/kg

Table G-2  
Geddes Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
G103	1,4-Dichlorobenzene	3900 J	ug/kg
G103	2-Butanone	29 J	ug/kg
G103	2-Methylnaphthalene	780 J	ug/kg
G103	4-Methylphenol	130 J	ug/kg
G103	Acenaphthene	690 J	ug/kg
G103	Acenaphthylene	210 J	ug/kg
G103	Acetone	90 J	ug/kg
G103	Anthracene	1600 J	ug/kg
G103	Aroclor-1016	670 J	ug/kg
G103	Aroclor-1254	1300 J	ug/kg
G103	Aroclor-1260	1200 J	ug/kg
G103	Benzene	17 J	ug/kg
G103	Benzo(a)anthracene	4600 J	ug/kg
G103	Benzo(a)pyrene	3000 J	ug/kg
G103	Benzo(b)fluoranthene	4700 J	ug/kg
G103	Benzo(g,h,i)perylene	2300 J	ug/kg
G103	Benzo(k)fluoranthene	3000 J	ug/kg
G103	Carbazole	760 J	ug/kg
G103	Carbon disulfide	30 J	ug/kg
G103	Chlorobenzene	820 JD	ug/kg
G103	Chrysene	5500 J	ug/kg
G103	Ethylbenzene	12 J	ug/kg
G103	Fluoranthene	8600 J	ug/kg
G103	Fluorene	1200 J	ug/kg
G103	Indeno(1,2,3-cd)pyrene	2200 J	ug/kg
G103	Naphthalene	2400 J	ug/kg
G103	Phenanthrene	6200 J	ug/kg
G103	Pyrene	7100 J	ug/kg
G103	Toluene	7 J	ug/kg
G103	Unknown	990 JN	ug/kg
G103	Unknown	72 JN	ug/kg
G103	Unknown	22 JN	ug/kg
G103	Unknown	50 JN	ug/kg
G103	Unknown	810 JN	ug/kg
G103	Unknown	1900 JN	ug/kg
G103	Unknown	4000 JN	ug/kg
G103	Unknown	3700 JN	ug/kg
G103	Unknown	1000 JN	ug/kg
G103	Unknown	2000 JN	ug/kg
G103	Xylene (Total)	57 J	ug/kg
G104	1,2-Dichlorobenzene	110 J	ug/kg
G104	1,4-Dichlorobenzene	350 J	ug/kg

Table G-2  
Geddes Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
G104	2-Butanone	18	ug/kg
G104	2-Methylnaphthalene	94 J	ug/kg
G104	Acenaphthene	67 J	ug/kg
G104	Acenaphthylene	320 J	ug/kg
G104	Acetone	49 J	ug/kg
G104	Anthracene	300 J	ug/kg
G104	Aroclor-1016	78	ug/kg
G104	Aroclor-1254	66	ug/kg
G104	Aroclor-1260	66 PJ	ug/kg
G104	Benzo(a)anthracene	1100	ug/kg
G104	Benzo(a)pyrene	1100	ug/kg
G104	Benzo(b)fluoranthene	1300	ug/kg
G104	Benzo(g,h,i)perylene	840	ug/kg
G104	Benzo(k)fluoranthene	1200 J	ug/kg
G104	Carbazole	130 J	ug/kg
G104	Carbon disulfide	2 J	ug/kg
G104	Chrysene	1700	ug/kg
G104	Dibenzofuran	93 J	ug/kg
G104	Fluoranthene	2600	ug/kg
G104	Fluorene	210 J	ug/kg
G104	Indeno(1,2,3-cd)pyrene	820	ug/kg
G104	Naphthalene	150 J	ug/kg
G104	Phenanthrene	980	ug/kg
G104	Pyrene	2500	ug/kg
G104	Unknown	490 JN	ug/kg
G104	Unknown	890 JN	ug/kg
G104	Unknown	2000 JN	ug/kg
G104	Unknown	410 JN	ug/kg
G105	1,4-Dichlorobenzene	130 J	ug/kg
G105	2,4-Dimethylphenol	110 J	ug/kg
G105	2-Butanone	19 J	ug/kg
G105	2-Methylnaphthalene	300 J	ug/kg
G105	4-Methylphenol	170 J	ug/kg
G105	Acenaphthene	270 J	ug/kg
G105	Acenaphthylene	2100 J	ug/kg
G105	Acetone	54 J	ug/kg
G105	Anthracene	1600 J	ug/kg
G105	Aroclor-1016	33 JP	ug/kg
G105	Aroclor-1260	39 JPN	ug/kg
G105	Benzo(a)anthracene	7500 JD	ug/kg
G105	Benzo(a)pyrene	8500 JD	ug/kg
G105	Benzo(b)fluoranthene	8800 JD	ug/kg

Table G-2  
Geddes Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
G105	Benzo(g,h,i)perylene	3500 J	ug/kg
G105	Carbazole	880 J	ug/kg
G105	Carbon disulfide	9 J	ug/kg
G105	Chrysene	11000 JD	ug/kg
G105	Dibenzofuran	420 J	ug/kg
G105	Fluoranthene	20000 JD	ug/kg
G105	Fluorene	860 J	ug/kg
G105	Indeno(1,2,3-cd)pyrene	3900 J	ug/kg
G105	Naphthalene	490 J	ug/kg
G105	Phenanthrene	4700 J	ug/kg
G105	Pyrene	16000 JD	ug/kg
G105	Unknown	5000 JN	ug/kg
G105	Unknown	3500 JN	ug/kg
G105	Unknown	3100 JN	ug/kg
G105	Unknown	5700 JN	ug/kg
G105	Unknown	4300 JN	ug/kg
G105	Unknown	4200 JN	ug/kg
G105	Unknown	7600 JN	ug/kg
G105	Unknown	11 JN	ug/kg
G105	Unknown	3900 JN	ug/kg
G106	2-Methylnaphthalene	540 J	ug/kg
G106	Acenaphthene	400 J	ug/kg
G106	Acenaphthylene	270 J	ug/kg
G106	Acetone	15 J	ug/kg
G106	Anthracene	2100	ug/kg
G106	Benzo(a)anthracene	3100	ug/kg
G106	Benzo(a)pyrene	1700	ug/kg
G106	Benzo(b)fluoranthene	3100	ug/kg
G106	Benzo(g,h,i)perylene	980	ug/kg
G106	Benzo(k)fluoranthene	1400 J	ug/kg
G106	Carbazole	910	ug/kg
G106	Carbon disulfide	2 J	ug/kg
G106	Chrysene	3500	ug/kg
G106	Dibenzofuran	900	ug/kg
G106	Fluoranthene	7200 D	ug/kg
G106	Fluorene	860	ug/kg
G106	Indeno(1,2,3-cd)pyrene	1100	ug/kg
G106	Naphthalene	1300	ug/kg
G106	Phenanthrene	7400 D	ug/kg
G106	Pyrene	5600 D	ug/kg
G106	Unknown	340 JN	ug/kg
G106	Unknown	380 JN	ug/kg

Table G-2  
Geddes Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
G106	Unknown	340 JN	ug/kg
G106	Unknown	200 JN	ug/kg
G106	Unknown	1800 JN	ug/kg
G107	Acenaphthylene	110 J	ug/kg
G107	Anthracene	140 J	ug/kg
G107	Benzo(a)anthracene	620	ug/kg
G107	Benzo(a)pyrene	470	ug/kg
G107	Benzo(b)fluoranthene	640	ug/kg
G107	Benzo(g,h,i)perylene	330 J	ug/kg
G107	Benzo(k)fluoranthene	620 J	ug/kg
G107	Carbazole	91 J	ug/kg
G107	Chrysene	760	ug/kg
G107	Fluoranthene	1300	ug/kg
G107	Fluorene	65 J	ug/kg
G107	Indeno(1,2,3-cd)pyrene	340 J	ug/kg
G107	Phenanthrene	660	ug/kg
G107	Pyrene	1000	ug/kg
G107	Unknown	650 JN	ug/kg
G107	Unknown	4300 JN	ug/kg
N103	Acenaphthylene	95 J	ug/kg
N103	Acetone	17 J	ug/kg
N103	Benzo(a)anthracene	130 J	ug/kg
N103	Benzo(a)pyrene	110 J	ug/kg
N103	Benzo(b)fluoranthene	140 J	ug/kg
N103	Benzo(k)fluoranthene	140 J	ug/kg
N103	Bis(2-ethylhexyl)phthalate	570 J	ug/kg
N103	Carbon disulfide	10 J	ug/kg
N103	Chrysene	170 J	ug/kg
N103	Fluoranthene	260 J	ug/kg
N103	Hexachlorobenzene	340 J	ug/kg
N103	Phenanthrene	210 J	ug/kg
N103	Pyrene	260 J	ug/kg
N104	Acetone	25 J	ug/kg
N104	Benzo(a)anthracene	130 J	ug/kg
N104	Benzo(a)pyrene	140 J	ug/kg
N104	Benzo(b)fluoranthene	180 J	ug/kg
N104	Benzo(k)fluoranthene	220 J	ug/kg
N104	Bis(2-ethylhexyl)phthalate	280 J	ug/kg
N104	Carbon disulfide	6 J	ug/kg
N104	Chrysene	190 J	ug/kg
N104	Fluoranthene	340 J	ug/kg
N104	Hexachlorobenzene	280 J	ug/kg

Table G-2  
Geddes Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
N104	Phenanthrene	130 J	ug/kg
N104	Pyrene	270 J	ug/kg
N104	Unknown	3900 J	ug/kg
N104	Unknown	3400 JN	ug/kg

Table G-3  
Geddes Brook Sediments - Metals

Location	Parameter	Results	Units
G1	Cadmium	0 B	mg/kg
G101	Aluminum	7140 *	mg/kg
G101	Arsenic	5	mg/kg
G101	Barium	63 B	mg/kg
G101	Beryllium	0 B	mg/kg
G101	Cadmium	0 B	mg/kg
G101	Calcium	69600 *	mg/kg
G101	Chromium	25 *	mg/kg
G101	Cobalt	7 B	mg/kg
G101	Copper	45 *J	mg/kg
G101	Iron	16000 *	mg/kg
G101	Lead	25	mg/kg
G101	Magnesium	11500	mg/kg
G101	Manganese	378	mg/kg
G101	Mercury	0	mg/kg
G101	Nickel	16	mg/kg
G101	Potassium	1490 B	mg/kg
G101	Sodium	194 B	mg/kg
G101	Vanadium	14 B	mg/kg
G101	Zinc	80 *	mg/kg
G102	Aluminum	11600 *	mg/kg
G102	Arsenic	5	mg/kg
G102	Barium	97	mg/kg
G102	Beryllium	1 B	mg/kg
G102	Cadmium	1 B	mg/kg
G102	Calcium	57000 *	mg/kg
G102	Chromium	61 *	mg/kg
G102	Cobalt	8 B	mg/kg
G102	Copper	55 *J	mg/kg
G102	Iron	18300 *	mg/kg
G102	Lead	136	mg/kg
G102	Magnesium	21700	mg/kg
G102	Manganese	400	mg/kg
G102	Mercury	1	mg/kg
G102	Nickel	22	mg/kg
G102	Potassium	2570	mg/kg
G102	Sodium	199 B	mg/kg
G102	Vanadium	20	mg/kg
G102	Zinc	114 *	mg/kg
G103	Aluminum	8620 *J	mg/kg
G103	Antimony	3 BNJ	mg/kg
G103	Arsenic	19 J	mg/kg

Table G-3  
Geddes Brook Sediments - Metals

Location	Parameter	Results	Units
G103	Barium	268 J	mg/kg
G103	Beryllium	1 BJ	mg/kg
G103	Cadmium	2 BJ	mg/kg
G103	Calcium	412000 *J	mg/kg
G103	Chromium	67 *J	mg/kg
G103	Cobalt	11 BJ	mg/kg
G103	Copper	223 *J	mg/kg
G103	Iron	27400 *J	mg/kg
G103	Lead	418 J	mg/kg
G103	Magnesium	20800 J	mg/kg
G103	Manganese	491 J	mg/kg
G103	Mercury	89 J	mg/kg
G103	Nickel	54 J	mg/kg
G103	Potassium	3010 BJ	mg/kg
G103	Silver	1 BJ	mg/kg
G103	Sodium	6860 J	mg/kg
G103	Thallium	2 BJ	mg/kg
G103	Vanadium	28 BJ	mg/kg
G103	Zinc	175 *J	mg/kg
G104	Aluminum	2990 *	mg/kg
G104	Arsenic	3 B	mg/kg
G104	Barium	100	mg/kg
G104	Beryllium	0 B	mg/kg
G104	Cadmium	0 B	mg/kg
G104	Calcium	293000 *	mg/kg
G104	Chromium	28 *	mg/kg
G104	Cobalt	3 B	mg/kg
G104	Copper	25 *J	mg/kg
G104	Iron	5880 *	mg/kg
G104	Lead	56	mg/kg
G104	Magnesium	6190	mg/kg
G104	Manganese	410	mg/kg
G104	Mercury	3	mg/kg
G104	Nickel	9 B	mg/kg
G104	Potassium	905 B	mg/kg
G104	Sodium	3120	mg/kg
G104	Vanadium	9 B	mg/kg
G104	Zinc	86 *	mg/kg
G105	Aluminum	9940 *J	mg/kg
G105	Arsenic	12 J	mg/kg
G105	Barium	124 J	mg/kg
G105	Beryllium	1 BJ	mg/kg

Table G-3  
Geddes Brook Sediments - Metals

Location	Parameter	Results	Units
G105	Cadmium	1 BJ	mg/kg
G105	Calcium	128000 *J	mg/kg
G105	Chromium	28 *J	mg/kg
G105	Cobalt	8 BJ	mg/kg
G105	Copper	72 *J	mg/kg
G105	Iron	17400 *J	mg/kg
G105	Lead	144 J	mg/kg
G105	Magnesium	13700 J	mg/kg
G105	Manganese	579 J	mg/kg
G105	Mercury	1 J	mg/kg
G105	Nickel	19 J	mg/kg
G105	Potassium	2380 J	mg/kg
G105	Sodium	1300 BJ	mg/kg
G105	Vanadium	20 BJ	mg/kg
G105	Zinc	220 *J	mg/kg
G106	Aluminum	8320 *	mg/kg
G106	Arsenic	2 B	mg/kg
G106	Barium	44 B	mg/kg
G106	Beryllium	0 B	mg/kg
G106	Cadmium	0 B	mg/kg
G106	Calcium	102000 *	mg/kg
G106	Chromium	15 *	mg/kg
G106	Cobalt	7 B	mg/kg
G106	Copper	18 *J	mg/kg
G106	Iron	14400 *	mg/kg
G106	Lead	21	mg/kg
G106	Magnesium	22800	mg/kg
G106	Manganese	385	mg/kg
G106	Nickel	16	mg/kg
G106	Potassium	2500	mg/kg
G106	Sodium	250 B	mg/kg
G106	Vanadium	17	mg/kg
G106	Zinc	93 *	mg/kg
G107	Aluminum	6230 *	mg/kg
G107	Arsenic	2 B	mg/kg
G107	Barium	23 B	mg/kg
G107	Beryllium	0 B	mg/kg
G107	Cadmium	0 B	mg/kg
G107	Calcium	119000 *	mg/kg
G107	Chromium	12 *	mg/kg
G107	Cobalt	4 B	mg/kg
G107	Copper	13 *J	mg/kg

Table G-3  
Geddes Brook Sediments - Metals

Location	Parameter	Results	Units
G107	Iron	10000 *	mg/kg
G107	Lead	8	mg/kg
G107	Magnesium	44500	mg/kg
G107	Manganese	278	mg/kg
G107	Nickel	13	mg/kg
G107	Potassium	2010	mg/kg
G107	Sodium	189 B	mg/kg
G107	Vanadium	12 B	mg/kg
G107	Zinc	36 *	mg/kg
G2	Cadmium	0 B	mg/kg
N103	Aluminum	5600 *J	mg/kg
N103	Arsenic	12 J	mg/kg
N103	Barium	93 J	mg/kg
N103	Beryllium	1 BJ	mg/kg
N103	Cadmium	1 BJ	mg/kg
N103	Calcium	305000 *J	mg/kg
N103	Chromium	14 *J	mg/kg
N103	Cobalt	5 BJ	mg/kg
N103	Copper	67 *J	mg/kg
N103	Iron	7720 *J	mg/kg
N103	Lead	20 J	mg/kg
N103	Magnesium	11500 J	mg/kg
N103	Manganese	416 J	mg/kg
N103	Mercury	3 J	mg/kg
N103	Nickel	36 J	mg/kg
N103	Potassium	403 BJ	mg/kg
N103	Sodium	1240 BJ	mg/kg
N103	Vanadium	21 BJ	mg/kg
N103	Zinc	137 *J	mg/kg
N104	Aluminum	2700 *J	mg/kg
N104	Arsenic	3 BJ	mg/kg
N104	Barium	69 BJ	mg/kg
N104	Beryllium	0 BJ	mg/kg
N104	Cadmium	0 BJ	mg/kg
N104	Calcium	264000 *J	mg/kg
N104	Chromium	6 *J	mg/kg
N104	Cobalt	14 BJ	mg/kg
N104	Copper	16 *J	mg/kg
N104	Iron	4550 *J	mg/kg
N104	Lead	31 J	mg/kg
N104	Magnesium	29900 J	mg/kg
N104	Manganese	321 J	mg/kg

Table G-3  
Geddes Brook Sediments - Metals

Location	Parameter	Results	Units
N104	Mercury	3 J	mg/kg
N104	Nickel	14 BJ	mg/kg
N104	Potassium	786 BJ	mg/kg
N104	Sodium	1210 BJ	mg/kg
N104	Thallium	2 BJ	mg/kg
N104	Vanadium	8 BJ	mg/kg
N104	Zinc	62 *J	mg/kg

Table H-1

Harbor Brook Water Samples - All Detections of All Parameters

Location	Parameter	Results	Units
H101	2,4-Dimethylphenol	14	ug/L
H101	2-Methylnaphthalene	11	ug/L
H101	2-Methylphenol	11	ug/L
H101	4-Methylphenol	17	ug/L
H101	Acenaphthene	2 J	ug/L
H101	Acenaphthylene	2 J	ug/L
H101	Acetone	2 J	ug/L
H101	Aluminum	28 B	ug/L
H101	Arsenic	4 B	ug/L
H101	Barium	66 BE	ug/L
H101	Benzene	10 J	ug/L
H101	Beryllium	0 B	ug/L
H101	Calcium	290000	ug/L
H101	Carbazole	2 J	ug/L
H101	Chromium	2 B	ug/L
H101	Cobalt	2 B	ug/L
H101	Copper	5 B	ug/L
H101	Dibenzofuran	2 J	ug/L
H101	Ethylbenzene	2 J	ug/L
H101	Fluorene	2 J	ug/L
H101	Iron	151	ug/L
H101	Lead	2 B	ug/L
H101	Magnesium	46700	ug/L
H101	Manganese	26 EJ	ug/L
H101	Naphthalene	78	ug/L
H101	Nickel	3 B	ug/L
H101	Phenanthrene	2 J	ug/L
H101	Phenol	19	ug/L
H101	Potassium	4280 B	ug/L
H101	Silver	2 B	ug/L
H101	Sodium	176000	ug/L
H101	Styrene	4 J	ug/L
H101	Toluene	21	ug/L
H101	Unknown	7 JN	ug/L
H101	Unknown	22 JN	ug/L
H101	Xylene (Total)	27	ug/L
H101	Zinc	18 B	ug/L
H102	Acetone	3 J	ug/L
H102	Aluminum	37 B	ug/L
H102	Arsenic	4 B	ug/L
H102	Barium	47 BE	ug/L
H102	Beryllium	0 B	ug/L
H102	Cadmium	0 B	ug/L
H102	Calcium	304000	ug/L
H102	Chromium	2 B	ug/L

Table H-1

Harbor Brook Water Samples - All Detections of All Parameters

Location	Parameter	Results	Units
H102	Cobalt	2 B	ug/L
H102	Copper	3 B	ug/L
H102	Iron	159	ug/L
H102	Magnesium	5220	ug/L
H102	Manganese	28 EJ	ug/L
H102	Naphthalene	1 J	ug/L
H102	Nickel	3 B	ug/L
H102	Potassium	3730 B	ug/L
H102	Silver	2 B	ug/L
H102	Sodium	162000	ug/L
H102	Zinc	22	ug/L
H103	Acetone	9 J	ug/L
H103	Aluminum	96 B	ug/L
H103	Arsenic	4 B	ug/L
H103	Barium	49 BE	ug/L
H103	Beryllium	0 B	ug/L
H103	Calcium	274000	ug/L
H103	Chromium	2 B	ug/L
H103	Cobalt	2 B	ug/L
H103	Copper	5 B	ug/L
H103	Iron	498	ug/L
H103	Lead	3	ug/L
H103	Magnesium	47000	ug/L
H103	Manganese	69 EJ	ug/L
H103	Nickel	3 B	ug/L
H103	Potassium	4530 B	ug/L
H103	Silver	2 B	ug/L
H103	Sodium	187000	ug/L
H103	Unknown	3 JN	ug/L
H103	Unknown	3 JN	ug/L
H103	Unknown	9 JN	ug/L
H103	Zinc	31	ug/L
H104	Aluminum	46 B	ug/L
H104	Arsenic	3 B	ug/L
H104	Barium	87 BE	ug/L
H104	Beryllium	0 B	ug/L
H104	Calcium	141000	ug/L
H104	Chromium	2 B	ug/L
H104	Cobalt	2 B	ug/L
H104	Copper	5 B	ug/L
H104	Iron	277	ug/L
H104	Lead	2 B	ug/L
H104	Magnesium	35100	ug/L
H104	Manganese	115 EJ	ug/L
H104	Nickel	2 B	ug/L

Table H-1

Harbor Brook Water Samples - All Detections of All Parameters

Location	Parameter	Results	Units
H104	Potassium	8240	ug/L
H104	Selenium	3 B	ug/L
H104	Silver	2 B	ug/L
H104	Sodium	422000	ug/L
H104	Unknown	2 JN	ug/L
H104	Zinc	21	ug/L
H105	Aluminum	72 B	ug/L
H105	Arsenic	5 B	ug/L
H105	Barium	91 BE	ug/L
H105	Beryllium	0 B	ug/L
H105	Calcium	168000	ug/L
H105	Chromium	2 B	ug/L
H105	Cobalt	2 B	ug/L
H105	Copper	5 B	ug/L
H105	Iron	377	ug/L
H105	Lead	3	ug/L
H105	Magnesium	37800	ug/L
H105	Manganese	144 EJ	ug/L
H105	Nickel	3 B	ug/L
H105	Potassium	10300	ug/L
H105	Silver	3 B	ug/L
H105	Sodium	605000	ug/L
H105	Zinc	22	ug/L
H111	Acetaldehyde	6 JN	ug/L
H111	Acetone	17	ug/L
H111	Aluminum	152 B	ug/L
H111	Barium	44 BE	ug/L
H111	Beryllium	2 B	ug/L
H111	Cadmium	3 B	ug/L
H111	Calcium	275000	ug/L
H111	Chloroform	1 J	ug/L
H111	Chromium	4 B	ug/L
H111	Cobalt	4 B	ug/L
H111	Copper	6 B	ug/L
H111	Iron	208	ug/L
H111	Lead	4	ug/L
H111	Magnesium	47100	ug/L
H111	Manganese	26 EJ	ug/L
H111	Nickel	6 B	ug/L
H111	Potassium	3380 B	ug/L
H111	Silver	3 B	ug/L
H111	Sodium	141000	ug/L
H111	Unknown	3 JN	ug/L
H111	Unknown	47 JN	ug/L
H111	Unknown	4 J	ug/L

Table H-1

Harbor Brook Water Samples - All Detections of All Parameters

Location	Parameter	Results	Units
H111	Vanadium	2 B	ug/L
H111	Xylene (Total)	1 J	ug/L
H111	Zinc	25	ug/L

Table H-1A  
Harbor Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
H107	Acenaphthylene	190 J	ug/kg
H107	Aluminum	4000 *	mg/kg
H107	Anthracene	160 J	ug/kg
H107	Aroclor-1254	42 J	ug/kg
H107	Aroclor-1260	53 J	ug/kg
H107	Arsenic	3 B	mg/kg
H107	Barium	126	mg/kg
H107	Benzo(a)anthracene	630	ug/kg
H107	Benzo(a)pyrene	770	ug/kg
H107	Benzo(b)fluoranthene	800	ug/kg
H107	Benzo(g,h,i)perylene	810	ug/kg
H107	Benzo(k)fluoranthene	670	ug/kg
H107	Beryllium	0 B	mg/kg
H107	Bis(2-ethylhexyl)phthalate	360 J	ug/kg
H107	Cadmium	0 B	mg/kg
H107	Calcium	386000 *	mg/kg
H107	Carbazole	75 J	ug/kg
H107	Chromium	11 *	mg/kg
H107	Chrysene	820	ug/kg
H107	Cobalt	2 B	mg/kg
H107	Copper	21 *J	mg/kg
H107	Fluoranthene	1100	ug/kg
H107	Fluorene	76 J	ug/kg
H107	Indeno(1,2,3-cd)pyrene	750	ug/kg
H107	Iron	5490 *	mg/kg
H107	Lead	67	mg/kg
H107	Magnesium	8090	mg/kg
H107	Manganese	268	mg/kg
H107	Mercury	0 B	mg/kg
H107	Naphthalene	75 J	ug/kg
H107	Nickel	9 B	mg/kg
H107	Phenanthrene	500 J	ug/kg
H107	Potassium	1200 B	mg/kg
H107	Pyrene	1200	ug/kg
H107	Sodium	769 B	mg/kg
H107	Total organic carbon	108000	mg/kg
H107	Total solids	55	%
H107	Unknown	940 JN	ug/kg
H107	Unknown	3100 JN	ug/kg
H107	Vanadium	10 B	mg/kg
H107	Zinc	54 *	mg/kg
H108	1,4-Dichlorobenzene	150 J	ug/kg

Table H-1A  
Harbor Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
H108	2-Butanone	20	ug/kg
H108	2-Methylnaphthalene	290 J	ug/kg
H108	4-Chloroaniline	820 J	ug/kg
H108	4-Methylphenol	240 J	ug/kg
H108	Acenaphthene	680	ug/kg
H108	Acenaphthylene	1000	ug/kg
H108	Acetone	60 J	ug/kg
H108	Aluminum	5930 *	mg/kg
H108	Anthracene	2300	ug/kg
H108	Aroclor-1254	100	ug/kg
H108	Aroclor-1260	82	ug/kg
H108	Arsenic	6	mg/kg
H108	Barium	92	mg/kg
H108	Benzo(a)anthracene	7100 D	ug/kg
H108	Benzo(a)pyrene	5400 D	ug/kg
H108	Benzo(b)fluoranthene	7200 D	ug/kg
H108	Benzo(g,h,i)perylene	2700	ug/kg
H108	Beryllium	0 B	mg/kg
H108	Bis(2-ethylhexyl)phthalate	5400 D	ug/kg
H108	Butylbenzylphthalate	7800 D	ug/kg
H108	Cadmium	2 B	mg/kg
H108	Calcium	105000 *	mg/kg
H108	Carbazole	930	ug/kg
H108	Carbon disulfide	6 J	ug/kg
H108	Chromium	24 *	mg/kg
H108	Chrysene	8800 D	ug/kg
H108	Cobalt	6 B	mg/kg
H108	Copper	110 *J	mg/kg
H108	Dibenzofuran	510 J	ug/kg
H108	Fluoranthene	15000 D	ug/kg
H108	Fluorene	960	ug/kg
H108	Indeno(1,2,3-cd)pyrene	2900	ug/kg
H108	Iron	15700 *	mg/kg
H108	Lead	281	mg/kg
H108	Magnesium	20800	mg/kg
H108	Manganese	270	mg/kg
H108	Mercury	0	mg/kg
H108	Naphthalene	320 J	ug/kg
H108	Nickel	20	mg/kg
H108	Phenanthrene	7100 D	ug/kg
H108	Phenol	600 J	ug/kg
H108	Potassium	1400 B	mg/kg

Table H-1A  
Harbor Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
H108	Pyrene	14000 D	ug/kg
H108	Selenium	2	mg/kg
H108	Silver	1 B	mg/kg
H108	Sodium	1080 B	mg/kg
H108	Total organic carbon	113000	mg/kg
H108	Total solids	53	%
H108	Unknown	4700 JN	ug/kg
H108	Unknown	3900 JN	ug/kg
H108	Unknown	5900 JN	ug/kg
H108	Unknown	22000 JN	ug/kg
H108	Unknown	5800 JN	ug/kg
H108	Unknown	13000 JN	ug/kg
H108	Unknown	2500 JN	ug/kg
H108	Unknown	18000 JN	ug/kg
H108	Unknown	4100 JN	ug/kg
H108	Vanadium	21	mg/kg
H108	Zinc	297 *	mg/kg
H109	1,4-Dichlorobenzene	110 J	ug/kg
H109	2-Butanone	13 J	ug/kg
H109	2-Methylnaphthalene	480 J	ug/kg
H109	4-Chloroaniline	370 J	ug/kg
H109	4-Methylphenol	310 J	ug/kg
H109	Acenaphthene	1100 J	ug/kg
H109	Acenaphthylene	1200 J	ug/kg
H109	Acetone	35 J	ug/kg
H109	Aluminum	5080 *J	mg/kg
H109	Anthracene	3500 J	ug/kg
H109	Antimony	2 BNJ	mg/kg
H109	Aroclor-1254	218 PJ	ug/kg
H109	Aroclor-1260	170 J	ug/kg
H109	Arsenic	7 J	mg/kg
H109	Barium	105 J	mg/kg
H109	Benzo(a)anthracene	10000 JD	ug/kg
H109	Benzo(a)pyrene	7400 JD	ug/kg
H109	Benzo(b)fluoranthene	11000 JD	ug/kg
H109	Benzo(g,h,i)perylene	3300 J	ug/kg
H109	Beryllium	0 BJ	mg/kg
H109	Bis(2-ethylhexyl)phthalate	5200 J	ug/kg
H109	Butylbenzylphthalate	600 J	ug/kg
H109	Cadmium	1 BJ	mg/kg
H109	Calcium	80400 *J	mg/kg
H109	Carbazole	1700 J	ug/kg

Table H-1A  
Harbor Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
H109	Carbon disulfide	4 J	ug/kg
H109	Chromium	28 *J	mg/kg
H109	Chrysene	13000 JD	ug/kg
H109	Cobalt	6 BJ	mg/kg
H109	Copper	138 *J	mg/kg
H109	Dibenzofuran	800 J	ug/kg
H109	Fluoranthene	20000 JD	ug/kg
H109	Fluorene	1600 J	ug/kg
H109	Indeno(1,2,3-cd)pyrene	3700 J	ug/kg
H109	Iron	14000 *J	mg/kg
H109	Lead	187 J	mg/kg
H109	Magnesium	14400 J	mg/kg
H109	Manganese	221 J	mg/kg
H109	Mercury	1 J	mg/kg
H109	Naphthalene	870 J	ug/kg
H109	Nickel	19 BJ	mg/kg
H109	Phenanthrene	13000 JD	ug/kg
H109	Potassium	1370 BJ	mg/kg
H109	Pyrene	18000 JD	ug/kg
H109	Selenium	6 J	mg/kg
H109	Silver	1 BJ	mg/kg
H109	Sodium	1490 BJ	mg/kg
H109	Total organic carbon	112000	mg/kg
H109	Total solids	42	%
H109	Unknown	4100 JN	ug/kg
H109	Unknown	17 JN	ug/kg
H109	Unknown	29 JN	ug/kg
H109	Unknown	16 JN	ug/kg
H109	Unknown	33 JN	ug/kg
H109	Unknown	28000 JN	ug/kg
H109	Unknown	4000 JN	ug/kg
H109	Unknown	14000 JN	ug/kg
H109	Unknown	5300 JN	ug/kg
H109	Unknown	16000 JN	ug/kg
H109	Unknown	8600 JN	ug/kg
H109	Unknown	10000 JN	ug/kg
H109	Vanadium	23 BJ	mg/kg
H109	Zinc	319 *J	mg/kg
H110	2-Methylnaphthalene	74 J	ug/kg
H110	4-Chloroaniline	74 J	ug/kg
H110	Acenaphthene	210 J	ug/kg
H110	Acenaphthylene	900	ug/kg

Table H-1A

Harbor Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
H110	Acetone	4 J	ug/kg
H110	Aluminum	2320 *	mg/kg
H110	Anthracene	1500	ug/kg
H110	Aroclor-1254	24 J	ug/kg
H110	Arsenic	2 B	mg/kg
H110	Barium	24 B	mg/kg
H110	Benzo(a)anthracene	6000 D	ug/kg
H110	Benzo(a)pyrene	4400 D	ug/kg
H110	Benzo(b)fluoranthene	7200 D	ug/kg
H110	Benzo(g,h,i)perylene	1800	ug/kg
H110	Beryllium	0 B	mg/kg
H110	Bis(2-ethylhexyl)phthalate	600	ug/kg
H110	Cadmium	0 B	mg/kg
H110	Calcium	219000 *	mg/kg
H110	Carbazole	380 J	ug/kg
H110	Chromium	5 *	mg/kg
H110	Chrysene	6600 D	ug/kg
H110	Cobalt	3 B	mg/kg
H110	Copper	18 *J	mg/kg
H110	Dibenzofuran	190 J	ug/kg
H110	Fluoranthene	10000 D	ug/kg
H110	Fluorene	480	ug/kg
H110	Indeno(1,2,3-cd)pyrene	2000	ug/kg
H110	Iron	7690 *	mg/kg
H110	Lead	29	mg/kg
H110	Magnesium	17600	mg/kg
H110	Manganese	234	mg/kg
H110	Mercury	0	mg/kg
H110	Naphthalene	120 J	ug/kg
H110	Nickel	7 B	mg/kg
H110	Phenanthrene	4100 D	ug/kg
H110	Potassium	510 B	mg/kg
H110	Pyrene	8400 D	ug/kg
H110	Selenium	1 B	mg/kg
H110	Sodium	277 B	mg/kg
H110	Total organic carbon	48100	mg/kg
H110	Total solids	84	%
H110	Unknown	5400 JN	ug/kg
H110	Unknown	2600 JN	ug/kg
H110	Unknown	2200 JN	ug/kg
H110	Unknown	2400 JN	ug/kg
H110	Unknown	3500 JN	ug/kg

Table H-1A  
Harbor Brook Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
H110	Unknown	2200 JN	ug/kg
H110	Unknown	3900 JN	ug/kg
H110	Vanadium	7 B	mg/kg
H110	Zinc	61 *	mg/kg

Table H-1B  
Harbor Brook Soils - All Detections for All Parameters

Location	Parameter	Results	Units
H112	1,1,2,2-Tetrachloroethane	3 J	ug/kg
H112	1,2,3-Trichlorobenzene	8 J	ug/kg
H112	1,2,4-Trimethylbenzene	10 J	ug/kg
H112	1,2-Dibromo-3-chloropropane	8 J	ug/kg
H112	1,3,5-Trimethbenz\p-ethyltol	2 J	ug/kg
H112	2-Butanone	17	ug/kg
H112	2-Methylnaphthalene	480 J	ug/kg
H112	4-Chloroaniline	73 J	ug/kg
H112	4-Methylphenol	83 J	ug/kg
H112	Acenaphthene	240 J	ug/kg
H112	Acenaphthylene	380 J	ug/kg
H112	Acetone	65 J	ug/kg
H112	Aluminum	4770 *	mg/kg
H112	Anthracene	580 J	ug/kg
H112	Aroclor-1260	32 J	ug/kg
H112	Arsenic	5	mg/kg
H112	Barium	73 B	mg/kg
H112	Benzo(a)anthracene	1100 J	ug/kg
H112	Benzo(g,h,i)perylene	750 J	ug/kg
H112	Beryllium	0 B	mg/kg
H112	Bis(2-ethylhexyl)phthalate	250 J	ug/kg
H112	Cadmium	2 B	mg/kg
H112	Calcium	193000 *	mg/kg
H112	Carbazole	270 J	ug/kg
H112	Chromium	18 *	mg/kg
H112	Chrysene	1400 J	ug/kg
H112	Cobalt	4 B	mg/kg
H112	Copper	25 *J	mg/kg
H112	Cyanide	2	mg/kg
H112	Dibenzofuran	330 J	ug/kg
H112	Fluoranthene	2300 J	ug/kg
H112	Fluorene	380 J	ug/kg
H112	Iron	6910 *	mg/kg
H112	Lead	111	mg/kg
H112	Magnesium	14100	mg/kg
H112	Manganese	213	mg/kg
H112	Mercury	2	mg/kg
H112	Naphthalene	810 J	ug/kg
H112	Nickel	13 B	mg/kg
H112	Phenanthrene	1700 J	ug/kg
H112	Potassium	764 B	mg/kg
H112	Pyrene	1800 J	ug/kg

Table H-1B  
Harbor Brook Soils - All Detections for All Parameters

Location	Parameter	Results	Units
H112	Silver	0 B	mg/kg
H112	Sodium	593 B	mg/kg
H112	Total organic carbon	132000	mg/kg
H112	Total solids	51	%
H112	Unknown	2100 JN	ug/kg
H112	Unknown	44 JN	ug/kg
H112	Unknown	1300 JN	ug/kg
H112	Unknown	27 JN	ug/kg
H112	Unknown	13 JN	ug/kg
H112	Unknown	11 JN	ug/kg
H112	Unknown	47 JN	ug/kg
H112	Vanadium	15 B	mg/kg
H112	Zinc	96 *	mg/kg
H113	1,2,4-Trimethylbenzene	1800 E	ug/kg
H113	1,3,5-Trimethbenz\p-ethyltol	2100 E	ug/kg
H113	2-Butanone	8 J	ug/kg
H113	2-Methylnaphthalene	22000 DJ	ug/kg
H113	4-Isopropyltoluene	200	ug/kg
H113	Acenaphthene	12000 DJ	ug/kg
H113	Acenaphthylene	6100 JD	ug/kg
H113	Acetone	110 J	ug/kg
H113	Aluminum	5870 *	mg/kg
H113	Anthracene	8400 DJ	ug/kg
H113	Antimony	1 BNJ	mg/kg
H113	Aroclor-1016	92	ug/kg
H113	Aroclor-1254	820 PJ	ug/kg
H113	Aroclor-1260	860 PJ	ug/kg
H113	Arsenic	4	mg/kg
H113	Barium	105	mg/kg
H113	Benzene	110 J	ug/kg
H113	Benzo(a)anthracene	11000 DJ	ug/kg
H113	Benzo(a)pyrene	7300 DJ	ug/kg
H113	Benzo(b)fluoranthene	8000 DJ	ug/kg
H113	Benzo(g,h,i)perylene	4400 DJ	ug/kg
H113	Benzo(k)fluoranthene	7100 DJ	ug/kg
H113	Beryllium	0 B	mg/kg
H113	Cadmium	1 B	mg/kg
H113	Calcium	151000 *	mg/kg
H113	Carbazole	4300 DJ	ug/kg
H113	Chlorobenzene	61 J	ug/kg
H113	Chromium	115 *	mg/kg
H113	Chrysene	13000 DJ	ug/kg

Table H-1B  
Harbor Brook Soils - All Detections for All Parameters

Location	Parameter	Results	Units
H113	Cobalt	8 B	mg/kg
H113	Copper	36 *J	mg/kg
H113	Cyanide	4	mg/kg
H113	Dibenzofuran	17000 DJ	ug/kg
H113	Ethylbenzene	170 J	ug/kg
H113	Fluoranthene	46000 DJ	ug/kg
H113	Fluorene	18000 DJ	ug/kg
H113	Indeno(1,2,3-cd)pyrene	4500 DJ	ug/kg
H113	Iron	10900 *	mg/kg
H113	Isopropylbenzene	120	ug/kg
H113	Lead	605	mg/kg
H113	Magnesium	12700	mg/kg
H113	Manganese	206	mg/kg
H113	Mercury	3	mg/kg
H113	Naphthalene	25000 DJ	ug/kg
H113	n-Butylbenzene	130	ug/kg
H113	Nickel	14	mg/kg
H113	Phenanthrene	53000 DJ	ug/kg
H113	Potassium	1210 B	mg/kg
H113	Pyrene	31000 DJ	ug/kg
H113	Silver	1 B	mg/kg
H113	Sodium	577 B	mg/kg
H113	Styrene	210	ug/kg
H113	Tetrachloroethene	3 J	ug/kg
H113	Thallium	1 B	mg/kg
H113	Toluene	1100 JD	ug/kg
H113	Total organic carbon	189000	mg/kg
H113	Total solids	61	%
H113	Unknown	1600 J	ug/kg
H113	Unknown	33000 DJN	ug/kg
H113	Unknown	1900 J	ug/kg
H113	Unknown	3300 J	ug/kg
H113	Unknown	1500 J	ug/kg
H113	Unknown	2900 J	ug/kg
H113	Unknown	1000 J	ug/kg
H113	Unknown	940 J	ug/kg
H113	Unknown	750 J	ug/kg
H113	Unknown	820 J	ug/kg
H113	Unknown	28000 DJN	ug/kg
H113	Unknown	1800 J	ug/kg
H113	Vanadium	20	mg/kg
H113	Xylene (m,p)	1500 E	ug/kg

Table H-1B  
Harbor Brook Soils - All Detections for All Parameters

Location	Parameter	Results	Units
H113	Xylene (o)	590 E	ug/kg
H113	Zinc	163 *	mg/kg

Table H-2A  
Harbor Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
H107	Acenaphthylene	190 J	ug/kg
H107	Anthracene	160 J	ug/kg
H107	Aroclor-1254	42 J	ug/kg
H107	Aroclor-1260	53 J	ug/kg
H107	Benzo(a)anthracene	630	ug/kg
H107	Benzo(a)pyrene	770	ug/kg
H107	Benzo(b)fluoranthene	800	ug/kg
H107	Benzo(g,h,i)perylene	810	ug/kg
H107	Benzo(k)fluoranthene	670	ug/kg
H107	Bis(2-ethylhexyl)phthalate	360 J	ug/kg
H107	Carbazole	75 J	ug/kg
H107	Chrysene	820	ug/kg
H107	Fluoranthene	1100	ug/kg
H107	Fluorene	76 J	ug/kg
H107	Indeno(1,2,3-cd)pyrene	750	ug/kg
H107	Naphthalene	75 J	ug/kg
H107	Phenanthrene	500 J	ug/kg
H107	Pyrene	1200	ug/kg
H107	Unknown	3100 JN	ug/kg
H107	Unknown	940 JN	ug/kg
H108	1,4-Dichlorobenzene	150 J	ug/kg
H108	2-Butanone	20	ug/kg
H108	2-Methylnaphthalene	290 J	ug/kg
H108	4-Chloroaniline	820 J	ug/kg
H108	4-Methylphenol	240 J	ug/kg
H108	Acenaphthene	680	ug/kg
H108	Acenaphthylene	1000	ug/kg
H108	Acetone	60 J	ug/kg
H108	Anthracene	2300	ug/kg
H108	Aroclor-1254	100	ug/kg
H108	Aroclor-1260	82	ug/kg
H108	Benzo(a)anthracene	7100 D	ug/kg
H108	Benzo(a)pyrene	5400 D	ug/kg
H108	Benzo(b)fluoranthene	7200 D	ug/kg
H108	Benzo(g,h,i)perylene	2700	ug/kg
H108	Bis(2-ethylhexyl)phthalate	5400 D	ug/kg
H108	Butylbenzylphthalate	7800 D	ug/kg
H108	Carbazole	930	ug/kg
H108	Carbon disulfide	6 J	ug/kg
H108	Chrysene	8800 D	ug/kg
H108	Dibenzofuran	510 J	ug/kg
H108	Fluoranthene	15000 D	ug/kg

Table H-2A  
Harbor Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
H108	Fluorene	960	ug/kg
H108	Indeno(1,2,3-cd)pyrene	2900	ug/kg
H108	Naphthalene	320 J	ug/kg
H108	Phenanthrene	7100 D	ug/kg
H108	Phenol	600 J	ug/kg
H108	Pyrene	14000 D	ug/kg
H108	Unknown	2500 JN	ug/kg
H108	Unknown	4700 JN	ug/kg
H108	Unknown	4100 JN	ug/kg
H108	Unknown	5900 JN	ug/kg
H108	Unknown	22000 JN	ug/kg
H108	Unknown	5800 JN	ug/kg
H108	Unknown	3900 JN	ug/kg
H108	Unknown	13000 JN	ug/kg
H108	Unknown	18000 JN	ug/kg
H109	1,4-Dichlorobenzene	110 J	ug/kg
H109	2-Butanone	13 J	ug/kg
H109	2-Methylnaphthalene	480 J	ug/kg
H109	4-Chloroaniline	370 J	ug/kg
H109	4-Methylphenol	310 J	ug/kg
H109	Acenaphthene	1100 J	ug/kg
H109	Acenaphthylene	1200 J	ug/kg
H109	Acetone	35 J	ug/kg
H109	Anthracene	3500 J	ug/kg
H109	Aroclor-1254	218 PJ	ug/kg
H109	Aroclor-1260	170 J	ug/kg
H109	Benzo(a)anthracene	10000 JD	ug/kg
H109	Benzo(a)pyrene	7400 JD	ug/kg
H109	Benzo(b)fluoranthene	11000 JD	ug/kg
H109	Benzo(g,h,i)perylene	3300 J	ug/kg
H109	Bis(2-ethylhexyl)phthalate	5200 J	ug/kg
H109	Butylbenzylphthalate	600 J	ug/kg
H109	Carbazole	1700 J	ug/kg
H109	Carbon disulfide	4 J	ug/kg
H109	Chrysene	13000 JD	ug/kg
H109	Dibenzofuran	800 J	ug/kg
H109	Fluoranthene	20000 JD	ug/kg
H109	Fluorene	1600 J	ug/kg
H109	Indeno(1,2,3-cd)pyrene	3700 J	ug/kg
H109	Naphthalene	870 J	ug/kg
H109	Phenanthrene	13000 JD	ug/kg
H109	Pyrene	18000 JD	ug/kg

Table H-2A  
Harbor Brook Sediments - Organic Compounds

Location	Parameter	Results	Units
H109	Unknown	29 JN	ug/kg
H109	Unknown	5300 JN	ug/kg
H109	Unknown	4000 JN	ug/kg
H109	Unknown	16000 JN	ug/kg
H109	Unknown	8600 JN	ug/kg
H109	Unknown	14000 JN	ug/kg
H109	Unknown	4100 JN	ug/kg
H109	Unknown	28000 JN	ug/kg
H109	Unknown	10000 JN	ug/kg
H109	Unknown	33 JN	ug/kg
H109	Unknown	16 JN	ug/kg
H109	Unknown	17 JN	ug/kg
H110	2-Methylnaphthalene	74 J	ug/kg
H110	4-Chloroaniline	74 J	ug/kg
H110	Acenaphthene	210 J	ug/kg
H110	Acenaphthylene	900	ug/kg
H110	Acetone	4 J	ug/kg
H110	Anthracene	1500	ug/kg
H110	Aroclor-1254	24 J	ug/kg
H110	Benzo(a)anthracene	6000 D	ug/kg
H110	Benzo(a)pyrene	4400 D	ug/kg
H110	Benzo(b)fluoranthene	7200 D	ug/kg
H110	Benzo(g,h,i)perylene	1800	ug/kg
H110	Bis(2-ethylhexyl)phthalate	600	ug/kg
H110	Carbazole	380 J	ug/kg
H110	Chrysene	6600 D	ug/kg
H110	Dibenzofuran	190 J	ug/kg
H110	Fluoranthene	10000 D	ug/kg
H110	Fluorene	480	ug/kg
H110	Indeno(1,2,3-cd)pyrene	2000	ug/kg
H110	Naphthalene	120 J	ug/kg
H110	Phenanthrene	4100 D	ug/kg
H110	Pyrene	8400 D	ug/kg
H110	Unknown	5400 JN	ug/kg
H110	Unknown	2600 JN	ug/kg
H110	Unknown	2200 JN	ug/kg
H110	Unknown	2400 JN	ug/kg
H110	Unknown	3500 JN	ug/kg
H110	Unknown	2200 JN	ug/kg
H110	Unknown	3900 JN	ug/kg

Table H-2B  
Harbor Brook Soils - Organic Compounds

Location	Parameter	Results	Units
H112	1,1,2,2-Tetrachloroethane	3 J	ug/kg
H112	1,2,3-Trichlorobenzene	8 J	ug/kg
H112	1,2,4-Trimethylbenzene	10 J	ug/kg
H112	1,2-Dibromo-3-chloropropane	8 J	ug/kg
H112	1,3,5-Trimethbenz(p-ethyltol	2 J	ug/kg
H112	2-Butanone	17	ug/kg
H112	2-Methylnaphthalene	480 J	ug/kg
H112	4-Chloroaniline	73 J	ug/kg
H112	4-Methylphenol	83 J	ug/kg
H112	Acenaphthene	240 J	ug/kg
H112	Acenaphthylene	380 J	ug/kg
H112	Acetone	65 J	ug/kg
H112	Anthracene	580 J	ug/kg
H112	Aroclor-1260	32 J	ug/kg
H112	Benzo(a)anthracene	1100 J	ug/kg
H112	Benzo(g,h,i)perylene	750 J	ug/kg
H112	Bis(2-ethylhexyl)phthalate	250 J	ug/kg
H112	Carbazole	270 J	ug/kg
H112	Chrysene	1400 J	ug/kg
H112	Dibenzofuran	330 J	ug/kg
H112	Fluoranthene	2300 J	ug/kg
H112	Fluorene	380 J	ug/kg
H112	Naphthalene	810 J	ug/kg
H112	Phenanthrene	1700 J	ug/kg
H112	Pyrene	1800 J	ug/kg
H112	Unknown	44 JN	ug/kg
H112	Unknown	2100 JN	ug/kg
H112	Unknown	1300 JN	ug/kg
H112	Unknown	47 JN	ug/kg
H112	Unknown	11 JN	ug/kg
H112	Unknown	13 JN	ug/kg
H112	Unknown	27 JN	ug/kg
H113	1,2,4-Trimethylbenzene	1800 E	ug/kg
H113	1,3,5-Trimethbenz(p-ethyltol	2100 E	ug/kg
H113	2-Butanone	8 J	ug/kg
H113	2-Methylnaphthalene	22000 DJ	ug/kg
H113	4-Isopropyltoluene	200	ug/kg
H113	Acenaphthene	12000 DJ	ug/kg
H113	Acenaphthylene	6100 JD	ug/kg
H113	Acetone	110 J	ug/kg
H113	Anthracene	8400 DJ	ug/kg
H113	Aroclor-1016	92	ug/kg

Table H-2B  
Harbor Brook Soils - Organic Compounds

Location	Parameter	Results	Units
H113	Aroclor-1254	820 PJ	ug/kg
H113	Aroclor-1260	860 PJ	ug/kg
H113	Benzene	110 J	ug/kg
H113	Benzo(a)anthracene	11000 DJ	ug/kg
H113	Benzo(a)pyrene	7300 DJ	ug/kg
H113	Benzo(b)fluoranthene	8000 DJ	ug/kg
H113	Benzo(g,h,i)perylene	4400 DJ	ug/kg
H113	Benzo(k)fluoranthene	7100 DJ	ug/kg
H113	Carbazole	4300 DJ	ug/kg
H113	Chlorobenzene	61 J	ug/kg
H113	Chrysene	13000 DJ	ug/kg
H113	Dibenzofuran	17000 DJ	ug/kg
H113	Ethylbenzene	170 J	ug/kg
H113	Fluoranthene	46000 DJ	ug/kg
H113	Fluorene	18000 DJ	ug/kg
H113	Indeno(1,2,3-cd)pyrene	4500 DJ	ug/kg
H113	Isopropylbenzene	120	ug/kg
H113	Naphthalene	25000 DJ	ug/kg
H113	n-Butylbenzene	130	ug/kg
H113	Phenanthrene	53000 DJ	ug/kg
H113	Pyrene	31000 DJ	ug/kg
H113	Styrene	210	ug/kg
H113	Tetrachloroethene	3 J	ug/kg
H113	Toluene	1100 JD	ug/kg
H113	Unknown	940 J	ug/kg
H113	Unknown	1000 J	ug/kg
H113	Unknown	1600 J	ug/kg
H113	Unknown	2900 J	ug/kg
H113	Unknown	820 J	ug/kg
H113	Unknown	28000 DJN	ug/kg
H113	Unknown	3300 J	ug/kg
H113	Unknown	1900 J	ug/kg
H113	Unknown	1500 J	ug/kg
H113	Unknown	750 J	ug/kg
H113	Unknown	33000 DJN	ug/kg
H113	Unknown	1800 J	ug/kg
H113	Xylene (m,p)	1500 E	ug/kg
H113	Xylene (o)	590 E	ug/kg

Table H-3A  
Harbor Brook Sediments - Metals

Location	Parameter	Results	Units
H107	Aluminum	4000 *	mg/kg
H107	Arsenic	3 B	mg/kg
H107	Barium	126	mg/kg
H107	Beryllium	0 B	mg/kg
H107	Cadmium	0 B	mg/kg
H107	Calcium	386000 *	mg/kg
H107	Chromium	11 *	mg/kg
H107	Cobalt	2 B	mg/kg
H107	Copper	21 *J	mg/kg
H107	Iron	5490 *	mg/kg
H107	Lead	67	mg/kg
H107	Magnesium	8090	mg/kg
H107	Manganese	268	mg/kg
H107	Mercury	0 B	mg/kg
H107	Nickel	9 B	mg/kg
H107	Potassium	1200 B	mg/kg
H107	Sodium	769 B	mg/kg
H107	Vanadium	10 B	mg/kg
H107	Zinc	54 *	mg/kg
H108	Aluminum	5930 *	mg/kg
H108	Arsenic	6	mg/kg
H108	Barium	92	mg/kg
H108	Beryllium	0 B	mg/kg
H108	Cadmium	2 B	mg/kg
H108	Calcium	105000 *	mg/kg
H108	Chromium	24 *	mg/kg
H108	Cobalt	6 B	mg/kg
H108	Copper	110 *J	mg/kg
H108	Iron	15700 *	mg/kg
H108	Lead	281	mg/kg
H108	Magnesium	20800	mg/kg
H108	Manganese	270	mg/kg
H108	Mercury	0	mg/kg
H108	Nickel	20	mg/kg
H108	Potassium	1400 B	mg/kg
H108	Selenium	2	mg/kg
H108	Silver	1 B	mg/kg
H108	Sodium	1080 B	mg/kg
H108	Vanadium	21	mg/kg
H108	Zinc	297 *	mg/kg
H109	Aluminum	5080 *J	mg/kg
H109	Antimony	2 BNJ	mg/kg

Table H-3A  
Harbor Brook Sediments - Metals

Location	Parameter	Results	Units
H109	Arsenic	7 J	mg/kg
H109	Barium	105 J	mg/kg
H109	Beryllium	0 BJ	mg/kg
H109	Cadmium	1 BJ	mg/kg
H109	Calcium	80400 *J	mg/kg
H109	Chromium	28 *J	mg/kg
H109	Cobalt	6 BJ	mg/kg
H109	Copper	138 *J	mg/kg
H109	Iron	14000 *J	mg/kg
H109	Lead	187 J	mg/kg
H109	Magnesium	14400 J	mg/kg
H109	Manganese	221 J	mg/kg
H109	Mercury	1 J	mg/kg
H109	Nickel	19 BJ	mg/kg
H109	Potassium	1370 BJ	mg/kg
H109	Selenium	6 J	mg/kg
H109	Silver	1 BJ	mg/kg
H109	Sodium	1490 BJ	mg/kg
H109	Vanadium	23 BJ	mg/kg
H109	Zinc	319 *J	mg/kg
H110	Aluminum	2320 *	mg/kg
H110	Arsenic	2 B	mg/kg
H110	Barium	24 B	mg/kg
H110	Beryllium	0 B	mg/kg
H110	Cadmium	0 B	mg/kg
H110	Calcium	219000 *	mg/kg
H110	Chromium	5 *	mg/kg
H110	Cobalt	3 B	mg/kg
H110	Copper	18 *J	mg/kg
H110	Iron	7690 *	mg/kg
H110	Lead	29	mg/kg
H110	Magnesium	17600	mg/kg
H110	Manganese	234	mg/kg
H110	Mercury	0	mg/kg
H110	Nickel	7 B	mg/kg
H110	Potassium	510 B	mg/kg
H110	Selenium	1 B	mg/kg
H110	Sodium	277 B	mg/kg
H110	Vanadium	7 B	mg/kg
H110	Zinc	61 *	mg/kg

Table H-3B  
Harbor Brook Soils - Metals

Location	Parameter	Results	Units
H112	Aluminum	4770 *	mg/kg
H112	Arsenic	5	mg/kg
H112	Barium	73 B	mg/kg
H112	Beryllium	0 B	mg/kg
H112	Cadmium	2 B	mg/kg
H112	Calcium	193000 *	mg/kg
H112	Chromium	18 *	mg/kg
H112	Cobalt	4 B	mg/kg
H112	Copper	25 *J	mg/kg
H112	Cyanide	2	mg/kg
H112	Iron	6910 *	mg/kg
H112	Lead	111	mg/kg
H112	Magnesium	14100	mg/kg
H112	Manganese	213	mg/kg
H112	Mercury	2	mg/kg
H112	Nickel	13 B	mg/kg
H112	Potassium	764 B	mg/kg
H112	Silver	0 B	mg/kg
H112	Sodium	593 B	mg/kg
H112	Vanadium	15 B	mg/kg
H112	Zinc	96 *	mg/kg
H113	Aluminum	5870 *	mg/kg
H113	Antimony	1 BNJ	mg/kg
H113	Arsenic	4	mg/kg
H113	Barium	105	mg/kg
H113	Beryllium	0 B	mg/kg
H113	Cadmium	1 B	mg/kg
H113	Calcium	151000 *	mg/kg
H113	Chromium	115 *	mg/kg
H113	Cobalt	8 B	mg/kg
H113	Copper	36 *J	mg/kg
H113	Cyanide	4	mg/kg
H113	Iron	10900 *	mg/kg
H113	Lead	605	mg/kg
H113	Magnesium	12700	mg/kg
H113	Manganese	206	mg/kg
H113	Mercury	3	mg/kg
H113	Nickel	14	mg/kg
H113	Potassium	1210 B	mg/kg
H113	Silver	1 B	mg/kg
H113	Sodium	577 B	mg/kg
H113	Thallium	1 B	mg/kg

Table H-3B  
Harbor Brook Soils - Metals

Location	Parameter	Results	Units
H113	Vanadium	20	mg/kg
H113	Zinc	163 *	mg/kg

Table L-1A

Lower Ley Creek Sediment &amp; Soil Samples - All Detections for All Parameters

Location	Parameter	Results	Units
L107	1,2-Dichlorobenzene	440	ug/kg
L107	1,2-Dichloroethene (Total)	8 J	ug/kg
L107	2-Methylnaphthalene	140 J	ug/kg
L107	Acenaphthene	680	ug/kg
L107	Acenaphthylene	600	ug/kg
L107	Acetone	18 J	ug/kg
L107	Aluminum	3440 *	mg/kg
L107	Anthracene	2200	ug/kg
L107	Aroclor-1248	8000 D	ug/kg
L107	Aroclor-1260	310 J	ug/kg
L107	Arsenic	3	mg/kg
L107	Barium	61 *	mg/kg
L107	Benzo(a)anthracene	7200 D	ug/kg
L107	Benzo(a)pyrene	6900 D	ug/kg
L107	Benzo(b)fluoranthene	7800 D	ug/kg
L107	Benzo(g,h,i)perylene	1900	ug/kg
L107	Beryllium	0 B	mg/kg
L107	Bis(2-ethylhexyl)phthalate	890	ug/kg
L107	Cadmium	1 B	mg/kg
L107	Calcium	188000 *	mg/kg
L107	Carbazole	900	ug/kg
L107	Carbon disulfide	2 J	ug/kg
L107	Chromium	138 *	mg/kg
L107	Chrysene	8800 D	ug/kg
L107	Cobalt	3 B	mg/kg
L107	Copper	223 EJ	mg/kg
L107	Dibenzofuran	440	ug/kg
L107	Ethylbenzene	4 J	ug/kg
L107	Fluoranthene	16000 D	ug/kg
L107	Fluorene	1100	ug/kg
L107	Indeno(1,2,3-cd)pyrene	2100	ug/kg
L107	Iron	9480 *	mg/kg
L107	Lead	123	mg/kg
L107	Magnesium	27600	mg/kg
L107	Manganese	360 NJ	mg/kg
L107	Naphthalene	140 J	ug/kg
L107	Nickel	38	mg/kg
L107	Phenanthrene	8900 D	ug/kg
L107	Potassium	730 B	mg/kg
L107	Pyrene	13000 D	ug/kg
L107	Sodium	206 B	mg/kg
L107	Total organic carbon	40200	mg/kg

Table L-1A

Lower Ley Creek Sediment &amp; Soil Samples - All Detections for All Parameters

Location	Parameter	Results	Units
L107	Total solids	79	%
L107	Unknown	6 JN	ug/kg
L107	Unknown	560 JN	ug/kg
L107	Unknown	330 JN	ug/kg
L107	Unknown	390 JN	ug/kg
L107	Unknown	350 JN	ug/kg
L107	Unknown	40 JN	ug/kg
L107	Unknown	270 JN	ug/kg
L107	Unknown	9 JN	ug/kg
L107	Unknown	320 JN	ug/kg
L107	Unknown	230 JN	ug/kg
L107	Vanadium	12 B	mg/kg
L107	Vinyl chloride	3 J	ug/kg
L107	Xylene (Total)	3 J	ug/kg
L107	Zinc	381	mg/kg
L108	1,2-Dichlorobenzene	450 J	ug/kg
L108	1,4-Dichlorobenzene	160 J	ug/kg
L108	2-Butanone	78 J	ug/kg
L108	2-Methylnaphthalene	670 J	ug/kg
L108	4-Methylphenol	170 J	ug/kg
L108	Acenaphthene	960 J	ug/kg
L108	Acenaphthylene	2300 J	ug/kg
L108	Acetone	240 J	ug/kg
L108	Aluminum	12800 *	mg/kg
L108	Anthracene	1900 J	ug/kg
L108	Antimony	28 NJ	mg/kg
L108	Aroclor-1016	230000 JD	ug/kg
L108	Aroclor-1260	7400 JD	ug/kg
L108	Arsenic	20	mg/kg
L108	Barium	257 *	mg/kg
L108	Benzene	3 J	ug/kg
L108	Benzo(a)anthracene	5300 J	ug/kg
L108	Benzo(a)pyrene	4800 J	ug/kg
L108	Benzo(b)fluoranthene	9200 J	ug/kg
L108	Benzo(g,h,i)perylene	2000 J	ug/kg
L108	Beryllium	1 B	mg/kg
L108	Bis(2-ethylhexyl)phthalate	7500 JD	ug/kg
L108	Cadmium	6	mg/kg
L108	Calcium	57800 *	mg/kg
L108	Carbazole	320 J	ug/kg
L108	Carbon disulfide	18 J	ug/kg
L108	Chloromethane	10 J	ug/kg

Table L-1A

Lower Ley Creek Sediment &amp; Soil Samples - All Detections for All Parameters

Location	Parameter	Results	Units
L108	Chromium	6290 *	mg/kg
L108	Chrysene	12000 JD	ug/kg
L108	Cobalt	10 B	mg/kg
L108	Copper	1170 E	mg/kg
L108	Cyanide	9	mg/kg
L108	Dibenz(a,h)anthracene	430 J	ug/kg
L108	Dibenzofuran	970 J	ug/kg
L108	Fluoranthene	16000 JD	ug/kg
L108	Fluorene	2600 J	ug/kg
L108	Indeno(1,2,3-cd)pyrene	2000 J	ug/kg
L108	Iron	22000 *	mg/kg
L108	Lead	514	mg/kg
L108	Magnesium	13900	mg/kg
L108	Manganese	284 NJ	mg/kg
L108	Mercury	1	mg/kg
L108	Naphthalene	640 J	ug/kg
L108	Nickel	1460	mg/kg
L108	Phenanthrene	3300 J	ug/kg
L108	Potassium	2360	mg/kg
L108	Pyrene	21000 JD	ug/kg
L108	Selenium	2 B	mg/kg
L108	Silver	6	mg/kg
L108	Sodium	364 B	mg/kg
L108	Thallium	2 B	mg/kg
L108	Total organic carbon	126000	mg/kg
L108	Total solids	50	%
L108	Unknown	200 JN	ug/kg
L108	Unknown	48 JN	ug/kg
L108	Unknown	79 JN	ug/kg
L108	Unknown	48 JN	ug/kg
L108	Unknown	180 JN	ug/kg
L108	Unknown	62 JN	ug/kg
L108	Unknown	49 JN	ug/kg
L108	Unknown	670 JN	ug/kg
L108	Unknown	1100 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	640 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Unknown	560 JN	ug/kg
L108	Unknown	950 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	150 JN	ug/kg

Table L-1A  
Lower Ley Creek Sediment & Soil Samples - All Detections for All Parameters

Location	Parameter	Results	Units
L108	Unknown	2600 JN	ug/kg
L108	Unknown	2000 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	66 JN	ug/kg
L108	Unknown	100 JN	ug/kg
L108	Unknown	1600 JN	ug/kg
L108	Unknown	1500 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	1500 JN	ug/kg
L108	Vanadium	42	mg/kg
L108	Xylene (Total)	31 J	ug/kg
L108	Zinc	817	mg/kg
L109	Aroclor-1248	6700 D	ug/kg
L109	Aroclor-1260	230 PJ	ug/kg
L109	Total solids	60	%
L110	Aroclor-1248	360000 D	ug/kg
L110	Aroclor-1260	13000 D	ug/kg
L110	Total solids	70	%
L111	2-Butanone	760 J	ug/kg
L111	2-Methylnaphthalene	240 J	ug/kg
L111	4-Chloroaniline	280 J	ug/kg
L111	Acenaphthene	340 J	ug/kg
L111	Acenaphthylene	1600 J	ug/kg
L111	Acetone	870 JD	ug/kg
L111	Aluminum	3990 J*	mg/kg
L111	Anthracene	1200 J	ug/kg
L111	Aroclor-1016	130000 JD	ug/kg
L111	Aroclor-1260	5400 JD	ug/kg
L111	Arsenic	11 BJ	mg/kg
L111	Barium	146 BJ*	mg/kg
L111	Benzo(a)anthracene	4400 J	ug/kg
L111	Benzo(a)pyrene	5000 J	ug/kg
L111	Benzo(b)fluoranthene	13000 J	ug/kg
L111	Benzo(g,h,i)perylene	1800 J	ug/kg
L111	Beryllium	0 BJ	mg/kg
L111	Bis(2-ethylhexyl)phthalate	4600 J	ug/kg
L111	Cadmium	2 BJ	mg/kg
L111	Calcium	39700 J*	mg/kg
L111	Carbazole	440 J	ug/kg
L111	Carbon disulfide	16 J	ug/kg

Table L-1A

Lower Ley Creek Sediment &amp; Soil Samples - All Detections for All Parameters

Location	Parameter	Results	Units
L111	Chromium	135 J*	mg/kg
L111	Chrysene	6400 J	ug/kg
L111	Cobalt	4 BJ	mg/kg
L111	Copper	70 EJ	mg/kg
L111	Fluoranthene	8400 J	ug/kg
L111	Indeno(1,2,3-cd)pyrene	2000 J	ug/kg
L111	Iron	16700 J*	mg/kg
L111	Lead	85 J	mg/kg
L111	Magnesium	6070 BJ	mg/kg
L111	Manganese	172 NJ	mg/kg
L111	Naphthalene	220 J	ug/kg
L111	Nickel	46 BJ	mg/kg
L111	Phenanthrene	2100 J	ug/kg
L111	Potassium	711 BJ	mg/kg
L111	Pyrene	9500 J	ug/kg
L111	Sodium	819 BJ	mg/kg
L111	Total organic carbon	366000	mg/kg
L111	Total solids	16	%
L111	Unknown	5200 JN	ug/kg
L111	Unknown	4400 JN	ug/kg
L111	Unknown	3800 JN	ug/kg
L111	Unknown	3100 JN	ug/kg
L111	Unknown	2400 JN	ug/kg
L111	Unknown	1700 JN	ug/kg
L111	Unknown	4500 JN	ug/kg
L111	Unknown	3800 JN	ug/kg
L111	Unknown	580 JN	ug/kg
L111	Unknown	5200 JN	ug/kg
L111	Unknown	2400 JN	ug/kg
L111	Vanadium	16 BJ	mg/kg
L111	Zinc	164 J	mg/kg
L112	1,1-Dichloroethane	3 J	ug/kg
L112	1,2-Dichloroethene (Total)	8 J	ug/kg
L112	2-Butanone	24 J	ug/kg
L112	2-Methylnaphthalene	1100	ug/kg
L112	2-Methylphenol	91 J	ug/kg
L112	Acenaphthene	1400	ug/kg
L112	Acenaphthylene	600	ug/kg
L112	Acetone	61 J	ug/kg
L112	Aluminum	11200 *	mg/kg
L112	Anthracene	3100 J	ug/kg
L112	Antimony	2 BNJ	mg/kg

Table L-1A

Lower Ley Creek Sediment &amp; Soil Samples - All Detections for All Parameters

Location	Parameter	Results	Units
L112	Aroclor-1016	140 PJ	ug/kg
L112	Aroclor-1254	1000 D	ug/kg
L112	Aroclor-1260	370 P	ug/kg
L112	Arsenic	22	mg/kg
L112	Barium	88 *	mg/kg
L112	Benzene	2 J	ug/kg
L112	Benzo(a)anthracene	5200 D	ug/kg
L112	Benzo(a)pyrene	3800 J	ug/kg
L112	Benzo(b)fluoranthene	5200 D	ug/kg
L112	Benzo(g,h,i)perylene	1400 J	ug/kg
L112	Benzo(k)fluoranthene	4300 D	ug/kg
L112	Beryllium	1 B	mg/kg
L112	Bis(2-ethylhexyl)phthalate	3600 J	ug/kg
L112	Cadmium	594	mg/kg
L112	Calcium	44500 *	mg/kg
L112	Carbazole	1300 J	ug/kg
L112	Carbon disulfide	4 J	ug/kg
L112	Chromium	568 *	mg/kg
L112	Chrysene	5300 D	ug/kg
L112	Cobalt	6 B	mg/kg
L112	Copper	88 EJ	mg/kg
L112	Cyanide	22	mg/kg
L112	Dibenzofuran	870	ug/kg
L112	Ethylbenzene	6 J	ug/kg
L112	Fluoranthene	10000 D	ug/kg
L112	Fluorene	1500	ug/kg
L112	Indeno(1,2,3-cd)pyrene	1400 J	ug/kg
L112	Iron	34500 *	mg/kg
L112	Lead	164	mg/kg
L112	Magnesium	4280	mg/kg
L112	Manganese	1840 NJ	mg/kg
L112	Mercury	0	mg/kg
L112	Naphthalene	1400	ug/kg
L112	Nickel	28	mg/kg
L112	Phenanthrene	10000 JD	ug/kg
L112	Potassium	1090 B	mg/kg
L112	Pyrene	9200 D	ug/kg
L112	Sodium	752 B	mg/kg
L112	Thallium	1 B	mg/kg
L112	Toluene	21	ug/kg
L112	Total organic carbon	97600	mg/kg
L112	Total solids	68	%

Table L-1A

Lower Ley Creek Sediment &amp; Soil Samples - All Detections for All Parameters

Location	Parameter	Results	Units
L112	Trichloroethene	2 J	ug/kg
L112	Unknown	140 JN	ug/kg
L112	Unknown	210 JN	ug/kg
L112	Unknown	170 JN	ug/kg
L112	Unknown	98 JN	ug/kg
L112	Unknown	150 JN	ug/kg
L112	Unknown	170 JN	ug/kg
L112	Unknown	120 JN	ug/kg
L112	Unknown	90 JN	ug/kg
L112	Unknown	110 JN	ug/kg
L112	Unknown	110 JN	ug/kg
L112	Unknown	540 JN	ug/kg
L112	Unknown	730 JN	ug/kg
L112	Unknown	840 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112	Unknown	1200 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112	Unknown	410 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	990 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	650 JN	ug/kg
L112	Vanadium	27	mg/kg
L112	Xylene (Total)	50	ug/kg
L112	Zinc	5050	mg/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
L101	Acetone	7 J	ug/kg
L101	Aluminum	521 *	mg/kg
L101	Anthracene	49 J	ug/kg
L101	Barium	7 B*	mg/kg
L101	Benzo(a)anthracene	190 J	ug/kg
L101	Benzo(a)pyrene	200 J	ug/kg
L101	Benzo(b)fluoranthene	220 J	ug/kg
L101	Benzo(g,h,i)perylene	190 J	ug/kg
L101	Benzo(k)fluoranthene	190 J	ug/kg
L101	Beryllium	0 B	mg/kg
L101	Cadmium	0 B	mg/kg
L101	Calcium	84700 *	mg/kg
L101	Chromium	1 B*	mg/kg
L101	Chrysene	300 J	ug/kg
L101	Cobalt	1 B	mg/kg
L101	Copper	2 BE	mg/kg
L101	Di-n-octylphthalate	63 J	ug/kg
L101	Ethylbenzene	2 J	ug/kg
L101	Fluoranthene	490	ug/kg
L101	Indeno(1,2,3-cd)pyrene	170 J	ug/kg
L101	Iron	1870 *	mg/kg
L101	Lead	4	mg/kg
L101	Magnesium	9000	mg/kg
L101	Manganese	137 NJ	mg/kg
L101	Nickel	2 B	mg/kg
L101	Phenanthrene	270 J	ug/kg
L101	Potassium	139 B	mg/kg
L101	Pyrene	460	ug/kg
L101	Sodium	252 B	mg/kg
L101	Total organic carbon	116000	mg/kg
L101	Total solids	82	%
L101	Unknown	25 JN	ug/kg
L101	Unknown	470 JN	ug/kg
L101	Unknown	350 JN	ug/kg
L101	Vanadium	2 B	mg/kg
L101	Xylene (Total)	13	ug/kg
L101	Zinc	24	mg/kg
L102	1,1-Dichloroethane	1 J	ug/kg
L102	1,2-Dichloroethene (Total)	3 J	ug/kg
L102	2-Butanone	12 J	ug/kg
L102	2-Methylnaphthalene	380 J	ug/kg
L102	4-Methylphenol	48 J	ug/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
L102	Acenaphthene	1100	ug/kg
L102	Acenaphthylene	100 J	ug/kg
L102	Acetone	56 J	ug/kg
L102	Aluminum	11500 *	mg/kg
L102	Anthracene	2000	ug/kg
L102	Aroclor-1016	34 JP	ug/kg
L102	Aroclor-1254	2133 D	ug/kg
L102	Aroclor-1260	7400 D	ug/kg
L102	Arsenic	5	mg/kg
L102	Barium	75 *	mg/kg
L102	Benzo(a)anthracene	4600 D	ug/kg
L102	Benzo(a)pyrene	4200 D	ug/kg
L102	Benzo(b)fluoranthene	4300 D	ug/kg
L102	Benzo(g,h,i)perylene	2300	ug/kg
L102	Benzo(k)fluoranthene	1700 J	ug/kg
L102	Beryllium	1 B	mg/kg
L102	Bis(2-ethylhexyl)phthalate	720	ug/kg
L102	Cadmium	0 B	mg/kg
L102	Calcium	84500 *	mg/kg
L102	Carbazole	1900	ug/kg
L102	Carbon disulfide	2 J	ug/kg
L102	Chromium	43 *	mg/kg
L102	Chrysene	5800 D	ug/kg
L102	Cobalt	7 B	mg/kg
L102	Copper	48 EJ	mg/kg
L102	Dibenz(a,h)anthracene	180 J	ug/kg
L102	Fluoranthene	12000 D	ug/kg
L102	Fluorene	1200	ug/kg
L102	Indeno(1,2,3-cd)pyrene	2500	ug/kg
L102	Iron	16800 *	mg/kg
L102	Lead	54	mg/kg
L102	Magnesium	20500	mg/kg
L102	Manganese	311 NJ	mg/kg
L102	Mercury	1	mg/kg
L102	Naphthalene	900	ug/kg
L102	Nickel	21	mg/kg
L102	Phenanthrene	12000 D	ug/kg
L102	Potassium	3050	mg/kg
L102	Pyrene	9200 D	ug/kg
L102	Silver	1 B	mg/kg
L102	Sodium	373 B	mg/kg
L102	Total organic carbon	33900	mg/kg

Table L-1B  
Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
L102	Total solids	82	%
L102	Trichloroethene	2 J	ug/kg
L102	Unknown	200 JN	ug/kg
L102	Unknown	150 JN	ug/kg
L102	Unknown	160 JN	ug/kg
L102	Unknown	440 JN	ug/kg
L102	Unknown	110 JN	ug/kg
L102	Unknown	570 JN	ug/kg
L102	Vanadium	26	mg/kg
L102	Xylene (Total)	3 J	ug/kg
L102	Zinc	154	mg/kg
L103	1,2-Dichloroethene (Total)	2 J	ug/kg
L103	2,4-Dimethylphenol	72 J	ug/kg
L103	2-Butanone	13 J	ug/kg
L103	2-Methylnaphthalene	1800	ug/kg
L103	4-Methylphenol	110 J	ug/kg
L103	Acenaphthene	7800 D	ug/kg
L103	Acenaphthylene	300 J	ug/kg
L103	Acetone	180 J	ug/kg
L103	Aluminum	8890 *	mg/kg
L103	Anthracene	10000 D	ug/kg
L103	Aroclor-1016	68 PJN	ug/kg
L103	Aroclor-1254	1800 D	ug/kg
L103	Aroclor-1260	7900 D	ug/kg
L103	Arsenic	8	mg/kg
L103	Barium	85 *	mg/kg
L103	Benzo(a)anthracene	25000 D	ug/kg
L103	Benzo(a)pyrene	24000 D	ug/kg
L103	Benzo(b)fluoranthene	30000 D	ug/kg
L103	Benzo(g,h,i)perylene	5200 D	ug/kg
L103	Benzo(k)fluoranthene	23000 JD	ug/kg
L103	Beryllium	1 B	mg/kg
L103	Bis(2-ethylhexyl)phthalate	940	ug/kg
L103	Cadmium	2	mg/kg
L103	Calcium	34600 *	mg/kg
L103	Carbazole	11000 D	ug/kg
L103	Carbon disulfide	2 J	ug/kg
L103	Chromium	98 *	mg/kg
L103	Chrysene	34000 D	ug/kg
L103	Cobalt	10 B	mg/kg
L103	Copper	116 EJ	mg/kg
L103	Dibenz(a,h)anthracene	1500	ug/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
L103	Dibenzofuran	5600 D	ug/kg
L103	Fluoranthene	66000 D	ug/kg
L103	Fluorene	7700 D	ug/kg
L103	Indeno(1,2,3-cd)pyrene	6600 D	ug/kg
L103	Iron	23800 *	mg/kg
L103	Lead	401	mg/kg
L103	Magnesium	6300	mg/kg
L103	Manganese	475 NJ	mg/kg
L103	Mercury	0	mg/kg
L103	Naphthalene	3400	ug/kg
L103	Nickel	26	mg/kg
L103	Phenanthrene	61000 D	ug/kg
L103	Potassium	1570	mg/kg
L103	Pyrene	49000 D	ug/kg
L103	Selenium	1 B	mg/kg
L103	Silver	7	mg/kg
L103	Sodium	157 B	mg/kg
L103	Total organic carbon	24900	mg/kg
L103	Total solids	71	%
L103	Unknown	320 JN	ug/kg
L103	Unknown	820 JN	ug/kg
L103	Unknown	140 JN	ug/kg
L103	Unknown	220 JN	ug/kg
L103	Unknown	160 JN	ug/kg
L103	Unknown	440 JN	ug/kg
L103	Vanadium	22	mg/kg
L103	Zinc	540	mg/kg
L104	1,2-Dichloroethene (Total)	2 J	ug/kg
L104	2-Butanone	100 J	ug/kg
L104	Acenaphthene	54 J	ug/kg
L104	Acenaphthylene	90 J	ug/kg
L104	Acetone	140 JD	ug/kg
L104	Aluminum	9080 *	mg/kg
L104	Anthracene	110 J	ug/kg
L104	Aroclor-1254	140	ug/kg
L104	Aroclor-1260	83	ug/kg
L104	Arsenic	10	mg/kg
L104	Barium	47 B*	mg/kg
L104	Benzo(a)anthracene	420 J	ug/kg
L104	Benzo(a)pyrene	130 J	ug/kg
L104	Benzo(b)fluoranthene	420 J	ug/kg
L104	Benzo(g,h,i)perylene	240 J	ug/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
L104	Benzo(k)fluoranthene	360 J	ug/kg
L104	Beryllium	0 B	mg/kg
L104	Calcium	30600 *	mg/kg
L104	Carbazole	78 J	ug/kg
L104	Carbon disulfide	3 J	ug/kg
L104	Chromium	21 *	mg/kg
L104	Chrysene	540	ug/kg
L104	Cobalt	6 B	mg/kg
L104	Copper	21 EJ	mg/kg
L104	Dibenz(a,h)anthracene	130 J	ug/kg
L104	Fluorene	71 J	ug/kg
L104	Indeno(1,2,3-cd)pyrene	250 J	ug/kg
L104	Iron	16800 *	mg/kg
L104	Lead	24	mg/kg
L104	Magnesium	6840	mg/kg
L104	Manganese	216 NJ	mg/kg
L104	Nickel	15	mg/kg
L104	Phenanthrene	600	ug/kg
L104	Potassium	1670	mg/kg
L104	Pyrene	880	ug/kg
L104	Sodium	127 B	mg/kg
L104	Total organic carbon	40400	mg/kg
L104	Total solids	65	%
L104	Trichloroethene	15 J	ug/kg
L104	Unknown	410 JN	ug/kg
L104	Unknown	460 JN	ug/kg
L104	Unknown	1000 JN	ug/kg
L104	Vanadium	18	mg/kg
L104	Zinc	88	mg/kg
L105	2-Butanone	18 J	ug/kg
L105	Acetone	84 J	ug/kg
L105	Aluminum	15700 *	mg/kg
L105	Arsenic	4	mg/kg
L105	Barium	92 *	mg/kg
L105	Beryllium	1 B	mg/kg
L105	Calcium	17800 *	mg/kg
L105	Chromium	23 *	mg/kg
L105	Cobalt	12 B	mg/kg
L105	Copper	16 EJ	mg/kg
L105	Iron	28400 *	mg/kg
L105	Lead	12	mg/kg
L105	Magnesium	9750	mg/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
L105	Manganese	300 NJ	mg/kg
L105	Nickel	26	mg/kg
L105	Potassium	2430	mg/kg
L105	Pyrene	45 J	ug/kg
L105	Sodium	163 B	mg/kg
L105	Total organic carbon	20700	mg/kg
L105	Total solids	76	%
L105	Unknown	3100 JN	ug/kg
L105	Vanadium	31	mg/kg
L105	Zinc	71	mg/kg
L106	2-Butanone	27 J	ug/kg
L106	Acenaphthene	73 J	ug/kg
L106	Acetone	120 J	ug/kg
L106	Aluminum	9460 *	mg/kg
L106	Anthracene	140 J	ug/kg
L106	Aroclor-1254	83 PJ	ug/kg
L106	Aroclor-1260	170	ug/kg
L106	Arsenic	4	mg/kg
L106	Barium	72 *	mg/kg
L106	Benzo(a)anthracene	470 J	ug/kg
L106	Benzo(a)pyrene	460 J	ug/kg
L106	Benzo(b)fluoranthene	520	ug/kg
L106	Benzo(g,h,i)perylene	200 J	ug/kg
L106	Benzo(k)fluoranthene	550 J	ug/kg
L106	Beryllium	0 B	mg/kg
L106	Bis(2-ethylhexyl)phthalate	480	ug/kg
L106	Cadmium	0 B	mg/kg
L106	Calcium	39100 *	mg/kg
L106	Carbazole	120 J	ug/kg
L106	Chromium	19 *	mg/kg
L106	Chrysene	680	ug/kg
L106	Cobalt	9 B	mg/kg
L106	Copper	29 EJ	mg/kg
L106	Fluoranthene	980	ug/kg
L106	Fluorene	78 J	ug/kg
L106	Indeno(1,2,3-cd)pyrene	210 J	ug/kg
L106	Iron	17100 *	mg/kg
L106	Lead	44	mg/kg
L106	Magnesium	9900	mg/kg
L106	Manganese	347 NJ	mg/kg
L106	Nickel	20	mg/kg
L106	Phenanthrene	720	ug/kg

Table L-1B  
Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
L106	Potassium	1490	mg/kg
L106	Pyrene	960	ug/kg
L106	Sodium	221 B	mg/kg
L106	Total organic carbon	34700	mg/kg
L106	Total solids	70	%
L106	Vanadium	22	mg/kg
L106	Zinc	568	mg/kg
L113	Lead	26	mg/kg
S101	1,2-Dichloroethene (Total)	12 J	ug/kg
S101	2-Methylnaphthalene	670 JD	ug/kg
S101	Acenaphthene	1100 JD	ug/kg
S101	Acenaphthylene	1700 JD	ug/kg
S101	Acetone	53 J	ug/kg
S101	Aluminum	8430	mg/kg
S101	Anthracene	2800 JD	ug/kg
S101	Antimony	3 BNJ	mg/kg
S101	Aroclor-1248	130	ug/kg
S101	Aroclor-1254	190 PJ	ug/kg
S101	Aroclor-1260	140 PJ	ug/kg
S101	Arsenic	18	mg/kg
S101	Barium	189	mg/kg
S101	Benzo(a)anthracene	5000 JD	ug/kg
S101	Benzo(a)pyrene	5100 JD	ug/kg
S101	Benzo(b)fluoranthene	4300 JD	ug/kg
S101	Benzo(g,h,i)perylene	3000 JD	ug/kg
S101	Benzo(k)fluoranthene	4800 JD	ug/kg
S101	Beryllium	1 B	mg/kg
S101	Cadmium	10	mg/kg
S101	Calcium	56800	mg/kg
S101	Carbazole	1500 JD	ug/kg
S101	Carbon disulfide	10 J	ug/kg
S101	Chromium	75	mg/kg
S101	Chrysene	6900 D	ug/kg
S101	Cobalt	9 B	mg/kg
S101	Copper	419 *J	mg/kg
S101	Fluoranthene	13000 D	ug/kg
S101	Fluorene	1000 JD	ug/kg
S101	Indeno(1,2,3-cd)pyrene	2900 JD	ug/kg
S101	Iron	17800	mg/kg
S101	Lead	228 *	mg/kg
S101	Magnesium	11600	mg/kg
S101	Manganese	418	mg/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S101	Mercury	1	mg/kg
S101	Naphthalene	720 JD	ug/kg
S101	Nickel	56	mg/kg
S101	Phenanthrene	7300 D	ug/kg
S101	Potassium	1510 B	mg/kg
S101	Pyrene	11000 D	ug/kg
S101	Selenium	2 B	mg/kg
S101	Silver	48	mg/kg
S101	Sodium	259 B	mg/kg
S101	Total organic carbon	112000	mg/kg
S101	Total solids	50	%
S101	Trichloroethene	3 J	ug/kg
S101	Unknown	2000 JND	ug/kg
S101	Unknown	55 JN	ug/kg
S101	Unknown	15 JN	ug/kg
S101	Unknown	7800 JND	ug/kg
S101	Unknown	2600 JND	ug/kg
S101	Unknown	6100 JND	ug/kg
S101	Unknown	4000 JND	ug/kg
S101	Unknown	2400 JND	ug/kg
S101	Vanadium	24	mg/kg
S101	Vinyl chloride	6 J	ug/kg
S101	Zinc	520 *	mg/kg
S102	Acetone	26 J	ug/kg
S102	Aluminum	10900	mg/kg
S102	Anthracene	81 J	ug/kg
S102	Arsenic	4	mg/kg
S102	Barium	100	mg/kg
S102	Benzo(a)anthracene	77 J	ug/kg
S102	Benzo(a)pyrene	87 J	ug/kg
S102	Benzo(b)fluoranthene	89 J	ug/kg
S102	Benzo(g,h,i)perylene	92 J	ug/kg
S102	Benzo(k)fluoranthene	94 J	ug/kg
S102	Beryllium	0 B	mg/kg
S102	Bis(2-ethylhexyl)phthalate	85 J	ug/kg
S102	Cadmium	1 B	mg/kg
S102	Calcium	6920	mg/kg
S102	Carbon disulfide	3 J	ug/kg
S102	Chromium	20	mg/kg
S102	Chrysene	100 J	ug/kg
S102	Cobalt	8 B	mg/kg
S102	Copper	64 *J	mg/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S102	Fluoranthene	210 J	ug/kg
S102	Indeno(1,2,3-cd)pyrene	77 J	ug/kg
S102	Iron	16900	mg/kg
S102	Lead	15 *	mg/kg
S102	Magnesium	5080	mg/kg
S102	Manganese	134	mg/kg
S102	Mercury	0 B	mg/kg
S102	Nickel	26	mg/kg
S102	Phenanthrene	66 J	ug/kg
S102	Potassium	1830	mg/kg
S102	Pyrene	190 J	ug/kg
S102	Selenium	1 B	mg/kg
S102	Silver	2 B	mg/kg
S102	Sodium	261 B	mg/kg
S102	Toluene	2 J	ug/kg
S102	Total organic carbon	48100	mg/kg
S102	Total solids	60	%
S102	Unknown	1500 JN	ug/kg
S102	Unknown	34 JN	ug/kg
S102	Unknown	2400 JN	ug/kg
S102	Unknown	760 JN	ug/kg
S102	Unknown	790 JN	ug/kg
S102	Unknown	1000 JN	ug/kg
S102	Unknown	950 JN	ug/kg
S102	Unknown	1500 JN	ug/kg
S102	Unknown	1100 JN	ug/kg
S102	Unknown	1300 JN	ug/kg
S102	Unknown	810 JN	ug/kg
S102	Vanadium	21	mg/kg
S102	Zinc	115 *	mg/kg
S103	1,1-Dichloroethane	3 J	ug/kg
S103	1,1-Dichloroethene	10 J	ug/kg
S103	2-Butanone	6 J	ug/kg
S103	Acenaphthylene	140 J	ug/kg
S103	Acetone	18 J	ug/kg
S103	Aluminum	8910	mg/kg
S103	Anthracene	190 J	ug/kg
S103	Aroclor-1248	1100 D	ug/kg
S103	Arsenic	4	mg/kg
S103	Barium	80	mg/kg
S103	Benzo(a)anthracene	470 J	ug/kg
S103	Benzo(a)pyrene	520 J	ug/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S103	Benzo(b)fluoranthene	520 J	ug/kg
S103	Benzo(g,h,i)perylene	310 J	ug/kg
S103	Benzo(k)fluoranthene	540 J	ug/kg
S103	Beryllium	1 B	mg/kg
S103	Bis(2-ethylhexyl)phthalate	130 J	ug/kg
S103	Cadmium	1 B	mg/kg
S103	Calcium	6030	mg/kg
S103	Carbazole	120 J	ug/kg
S103	Chromium	16	mg/kg
S103	Chrysene	610	ug/kg
S103	Cobalt	9 B	mg/kg
S103	Copper	70 *J	mg/kg
S103	Ethylbenzene	2 J	ug/kg
S103	Fluoranthene	1000	ug/kg
S103	Indeno(1,2,3-cd)pyrene	340 J	ug/kg
S103	Iron	29300	mg/kg
S103	Isophorone	66 J	ug/kg
S103	Lead	32 *	mg/kg
S103	Magnesium	3490	mg/kg
S103	Manganese	547	mg/kg
S103	Nickel	20	mg/kg
S103	Phenanthrene	510 J	ug/kg
S103	Potassium	1390 B	mg/kg
S103	Pyrene	830	ug/kg
S103	Selenium	1 B	mg/kg
S103	Silver	0 B	mg/kg
S103	Sodium	69 B	mg/kg
S103	Thallium	1 B	mg/kg
S103	Total organic carbon	22000	mg/kg
S103	Total solids	62	%
S103	Unknown	1200 JN	ug/kg
S103	Unknown	790 JN	ug/kg
S103	Unknown	1400 JN	ug/kg
S103	Unknown	1700 JN	ug/kg
S103	Unknown	1100 JN	ug/kg
S103	Unknown	910 JN	ug/kg
S103	Unknown	1100 JN	ug/kg
S103	Unknown	1700 JN	ug/kg
S103	Vanadium	18	mg/kg
S103	Xylene (Total)	7 J	ug/kg
S103	Zinc	228 *	mg/kg
S104	2-Methylnaphthalene	260 JD	ug/kg

Table L-1B  
Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S104	Acenaphthene	890 JD	ug/kg
S104	Acenaphthylene	500 JD	ug/kg
S104	Acetone	16 J	ug/kg
S104	Aluminum	4840	mg/kg
S104	Anthracene	1700 D	ug/kg
S104	Aroclor-1248	130	ug/kg
S104	Aroclor-1254	140	ug/kg
S104	Aroclor-1260	44 J	ug/kg
S104	Arsenic	3	mg/kg
S104	Barium	41 B	mg/kg
S104	Benzo(a)anthracene	4500 D	ug/kg
S104	Benzo(a)pyrene	4300 D	ug/kg
S104	Benzo(b)fluoranthene	4700 D	ug/kg
S104	Benzo(g,h,i)perylene	1800 D	ug/kg
S104	Benzo(k)fluoranthene	3300 D	ug/kg
S104	Beryllium	0 B	mg/kg
S104	Bis(2-ethylhexyl)phthalate	530 JD	ug/kg
S104	Cadmium	1	mg/kg
S104	Calcium	180000	mg/kg
S104	Carbazole	1800 D	ug/kg
S104	Carbon disulfide	3 J	ug/kg
S104	Chromium	18	mg/kg
S104	Chrysene	4900 D	ug/kg
S104	Cobalt	4 B	mg/kg
S104	Copper	121 *J	mg/kg
S104	Dibenzofuran	620 JD	ug/kg
S104	Di-n-octylphthalate	230 JD	ug/kg
S104	Fluoranthene	9200 D	ug/kg
S104	Fluorene	940 D	ug/kg
S104	Indeno(1,2,3-cd)pyrene	2100 D	ug/kg
S104	Iron	11000	mg/kg
S104	Lead	73 *	mg/kg
S104	Magnesium	15500	mg/kg
S104	Manganese	326	mg/kg
S104	Mercury	0 B	mg/kg
S104	Naphthalene	490 JD	ug/kg
S104	Nickel	17	mg/kg
S104	Phenanthrene	6200 D	ug/kg
S104	Potassium	721 B	mg/kg
S104	Pyrene	7300 D	ug/kg
S104	Silver	2 B	mg/kg
S104	Sodium	209 B	mg/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S104	Total organic carbon	41000	mg/kg
S104	Total solids	72	%
S104	Unknown	1900 JND	ug/kg
S104	Unknown	1900 JND	ug/kg
S104	Unknown	1300 JND	ug/kg
S104	Unknown	1800 JND	ug/kg
S104	Unknown	2600 JND	ug/kg
S104	Vanadium	11 B	mg/kg
S104	Zinc	138 *	mg/kg
S105	2-Butanone	46 J	ug/kg
S105	Acetone	170 J	ug/kg
S105	Aluminum	19300	mg/kg
S105	Arsenic	4	mg/kg
S105	Barium	106	mg/kg
S105	Beryllium	1 B	mg/kg
S105	Bis(2-ethylhexyl)phthalate	180 J	ug/kg
S105	Cadmium	0 B	mg/kg
S105	Calcium	6890	mg/kg
S105	Carbon disulfide	15 J	ug/kg
S105	Chromium	25	mg/kg
S105	Chrysene	83 J	ug/kg
S105	Cobalt	11 B	mg/kg
S105	Copper	34 *J	mg/kg
S105	Di-n-octylphthalate	230 J	ug/kg
S105	Fluoranthene	120 J	ug/kg
S105	Iron	28300	mg/kg
S105	Lead	14 *	mg/kg
S105	Magnesium	6240	mg/kg
S105	Manganese	367	mg/kg
S105	Mercury	0 B	mg/kg
S105	Nickel	25	mg/kg
S105	Potassium	2960	mg/kg
S105	Pyrene	130 J	ug/kg
S105	Selenium	1 B	mg/kg
S105	Silver	3 B	mg/kg
S105	Sodium	126 B	mg/kg
S105	Thallium	1 B	mg/kg
S105	Total organic carbon	24000	mg/kg
S105	Total solids	61	%
S105	Unknown	1600 JN	ug/kg
S105	Unknown	140 JN	ug/kg
S105	Unknown	430 JN	ug/kg

Table L-1B  
Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S105	Unknown	410 JN	ug/kg
S105	Unknown	570 JN	ug/kg
S105	Unknown	150 JN	ug/kg
S105	Unknown	920 JN	ug/kg
S105	Unknown	990 JN	ug/kg
S105	Unknown	1300 JN	ug/kg
S105	Unknown	1100 JN	ug/kg
S105	Unknown	850 JN	ug/kg
S105	Unknown	1100 JN	ug/kg
S105	Unknown	1000 JN	ug/kg
S105	Unknown	290 JN	ug/kg
S105	Unknown	170 JN	ug/kg
S105	Unknown	810 JN	ug/kg
S105	Unknown	220 JN	ug/kg
S105	Vanadium	37	mg/kg
S105	Zinc	135 *	mg/kg
S106	2-Methylnaphthalene	400 JD	ug/kg
S106	4-Methylphenol	620 JD	ug/kg
S106	Acenaphthene	1200 JD	ug/kg
S106	Acenaphthylene	1600 JD	ug/kg
S106	Acetone	37 J	ug/kg
S106	Aluminum	8010 J	mg/kg
S106	Anthracene	4100 JD	ug/kg
S106	Aroclor-1254	75 JP	ug/kg
S106	Aroclor-1260	100 J	ug/kg
S106	Arsenic	5 J	mg/kg
S106	Barium	80 BJ	mg/kg
S106	Benzo(a)anthracene	11000 JD	ug/kg
S106	Benzo(a)pyrene	12000 JD	ug/kg
S106	Benzo(b)fluoranthene	12000 DJ	ug/kg
S106	Benzo(g,h,i)perylene	4000 JD	ug/kg
S106	Benzo(k)fluoranthene	8100 DJ	ug/kg
S106	Beryllium	1 BJ	mg/kg
S106	Bis(2-ethylhexyl)phthalate	3300 JD	ug/kg
S106	Butylbenzylphthalate	550 JD	ug/kg
S106	Cadmium	2 BJ	mg/kg
S106	Calcium	274000 J	mg/kg
S106	Carbazole	2800 JD	ug/kg
S106	Carbon disulfide	4 J	ug/kg
S106	Chromium	64 J	mg/kg
S106	Chrysene	13000 DJ	ug/kg
S106	Cobalt	8 BJ	mg/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S106	Copper	175 *J	mg/kg
S106	Dibenz(a,h)anthracene	1500 JD	ug/kg
S106	Dibenzofuran	820 JD	ug/kg
S106	Dimethylphthalate	200 JD	ug/kg
S106	Di-n-octylphthalate	750 JD	ug/kg
S106	Fluoranthene	21000 JD	ug/kg
S106	Fluorene	1700 JD	ug/kg
S106	Indeno(1,2,3-cd)pyrene	4700 JD	ug/kg
S106	Iron	21300 J	mg/kg
S106	Lead	184 *J	mg/kg
S106	Magnesium	29900 J	mg/kg
S106	Manganese	447 J	mg/kg
S106	Mercury	0 J	mg/kg
S106	Naphthalene	690 JD	ug/kg
S106	Nickel	24 J	mg/kg
S106	Phenanthrene	12000 JD	ug/kg
S106	Potassium	1470 BJ	mg/kg
S106	Pyrene	19000 JD	ug/kg
S106	Silver	1 BJ	mg/kg
S106	Sodium	457 BJ	mg/kg
S106	Total organic carbon	90000	mg/kg
S106	Total solids	44	%
S106	Unknown	3100 JND	ug/kg
S106	Unknown	400 JND	ug/kg
S106	Unknown	1400 JND	ug/kg
S106	Unknown	450 JND	ug/kg
S106	Unknown	3300 JND	ug/kg
S106	Unknown	210 JN	ug/kg
S106	Unknown	16 JN	ug/kg
S106	Unknown	520 JND	ug/kg
S106	Unknown	2700 JND	ug/kg
S106	Unknown	1000 JND	ug/kg
S106	Unknown	460 JND	ug/kg
S106	Vanadium	27 J	mg/kg
S106	Zinc	269 *J	mg/kg
S107	2-Methylnaphthalene	190 JD	ug/kg
S107	Acenaphthene	790 JD	ug/kg
S107	Acenaphthylene	620 JD	ug/kg
S107	Acetone	13 J	ug/kg
S107	Aluminum	3520	mg/kg
S107	Anthracene	2300 D	ug/kg
S107	Aroclor-1254	42 JPN	ug/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S107	Aroclor-1260	38 JP	ug/kg
S107	Arsenic	3 B	mg/kg
S107	Barium	36 B	mg/kg
S107	Benzo(a)anthracene	5600 D	ug/kg
S107	Benzo(a)pyrene	5800 JD	ug/kg
S107	Benzo(b)fluoranthene	6600 JD	ug/kg
S107	Benzo(g,h,i)perylene	1700 JD	ug/kg
S107	Benzo(k)fluoranthene	7500 JD	ug/kg
S107	Beryllium	0 B	mg/kg
S107	Bis(2-ethylhexyl)phthalate	920 JD	ug/kg
S107	Cadmium	2	mg/kg
S107	Calcium	147000	mg/kg
S107	Carbazole	1400 D	ug/kg
S107	Carbon disulfide	2 J	ug/kg
S107	Chromium	24	mg/kg
S107	Chrysene	6400 D	ug/kg
S107	Cobalt	4 B	mg/kg
S107	Copper	74 *J	mg/kg
S107	Dibenz(a,h)anthracene	1000 JD	ug/kg
S107	Dibenzofuran	450 JD	ug/kg
S107	Di-n-octylphthalate	170 JD	ug/kg
S107	Fluoranthene	11000 D	ug/kg
S107	Fluorene	1100 D	ug/kg
S107	Indeno(1,2,3-cd)pyrene	2000 JD	ug/kg
S107	Iron	14400	mg/kg
S107	Lead	61 *	mg/kg
S107	Magnesium	16200	mg/kg
S107	Manganese	239	mg/kg
S107	Naphthalene	170 JD	ug/kg
S107	Nickel	20	mg/kg
S107	Phenanthrene	7000 D	ug/kg
S107	Potassium	730 B	mg/kg
S107	Pyrene	9000 D	ug/kg
S107	Silver	1 B	mg/kg
S107	Sodium	308 B	mg/kg
S107	Total organic carbon	44000	mg/kg
S107	Total solids	66	%
S107	Unknown	2100 JND	ug/kg
S107	Unknown	3600 JND	ug/kg
S107	Unknown	990 JND	ug/kg
S107	Unknown	620 JND	ug/kg
S107	Unknown	950 JND	ug/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S107	Unknown	560 JND	ug/kg
S107	Vanadium	15 B	mg/kg
S107	Zinc	146 *	mg/kg
S108	2-Methylnaphthalene	260 J	ug/kg
S108	Acenaphthene	130 J	ug/kg
S108	Acenaphthylene	520	ug/kg
S108	Aluminum	5760	mg/kg
S108	Anthracene	450 J	ug/kg
S108	Aroclor-1260	31 J	ug/kg
S108	Arsenic	7	mg/kg
S108	Barium	109	mg/kg
S108	Benzo(a)anthracene	1300	ug/kg
S108	Benzo(a)pyrene	1300	ug/kg
S108	Benzo(b)fluoranthene	1700	ug/kg
S108	Benzo(g,h,i)perylene	380 J	ug/kg
S108	Benzo(k)fluoranthene	1300	ug/kg
S108	Beryllium	0 B	mg/kg
S108	Bis(2-ethylhexyl)phthalate	51 J	ug/kg
S108	Cadmium	0 B	mg/kg
S108	Calcium	40800	mg/kg
S108	Carbazole	120 J	ug/kg
S108	Chloromethane	9 J	ug/kg
S108	Chromium	11	mg/kg
S108	Chrysene	1400	ug/kg
S108	Cobalt	6 B	mg/kg
S108	Copper	23 *J	mg/kg
S108	Dibenzofuran	250 J	ug/kg
S108	Fluoranthene	2000	ug/kg
S108	Fluorene	160 J	ug/kg
S108	Indeno(1,2,3-cd)pyrene	490	ug/kg
S108	Iron	14400	mg/kg
S108	Lead	21 *	mg/kg
S108	Magnesium	8720	mg/kg
S108	Manganese	334	mg/kg
S108	Naphthalene	260 J	ug/kg
S108	Nickel	13	mg/kg
S108	Phenanthrene	720	ug/kg
S108	Potassium	1240 B	mg/kg
S108	Pyrene	1600	ug/kg
S108	Sodium	180 B	mg/kg
S108	Total organic carbon	64000	mg/kg
S108	Total solids	72	%

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S108	Unknown	1200 JN	ug/kg
S108	Vanadium	17	mg/kg
S108	Zinc	55 *	mg/kg
S109	2-Butanone	28	ug/kg
S109	2-Methylnaphthalene	200 JD	ug/kg
S109	Acenaphthene	550 JD	ug/kg
S109	Acenaphthylene	910 JD	ug/kg
S109	Acetone	81 J	ug/kg
S109	Aluminum	9840	mg/kg
S109	Anthracene	2000 D	ug/kg
S109	Aroclor-1248	66	ug/kg
S109	Aroclor-1254	74	ug/kg
S109	Aroclor-1260	64 PJ	ug/kg
S109	Arsenic	5	mg/kg
S109	Barium	78	mg/kg
S109	Benzo(a)anthracene	5500 D	ug/kg
S109	Benzo(a)pyrene	6000 JD	ug/kg
S109	Benzo(b)fluoranthene	6600 JD	ug/kg
S109	Benzo(g,h,i)perylene	1800 JD	ug/kg
S109	Benzo(k)fluoranthene	5500 JD	ug/kg
S109	Beryllium	0 B	mg/kg
S109	Bis(2-ethylhexyl)phthalate	2300 D	ug/kg
S109	Butylbenzylphthalate	340 JD	ug/kg
S109	Cadmium	1 B	mg/kg
S109	Calcium	37200	mg/kg
S109	Carbazole	1200 D	ug/kg
S109	Chromium	27	mg/kg
S109	Chrysene	6700 D	ug/kg
S109	Cobalt	8 B	mg/kg
S109	Copper	38 *J	mg/kg
S109	Dibenzofuran	290 JD	ug/kg
S109	Di-n-octylphthalate	170 JD	ug/kg
S109	Fluoranthene	11000 D	ug/kg
S109	Fluorene	690 JD	ug/kg
S109	Indeno(1,2,3-cd)pyrene	2200 JD	ug/kg
S109	Iron	18500 B	mg/kg
S109	Lead	74 *	mg/kg
S109	Magnesium	9720	mg/kg
S109	Manganese	239	mg/kg
S109	Mercury	0	mg/kg
S109	Naphthalene	220 JD	ug/kg
S109	Nickel	21	mg/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S109	Phenanthrene	5700 D	ug/kg
S109	Potassium	1850	mg/kg
S109	Pyrene	9300 D	ug/kg
S109	Sodium	226 B	mg/kg
S109	Total organic carbon	45900	mg/kg
S109	Total solids	64	%
S109	Unknown	1400 JND	ug/kg
S109	Unknown	2100 JND	ug/kg
S109	Unknown	27 JN	ug/kg
S109	Unknown	40 JN	ug/kg
S109	Unknown	3900 JND	ug/kg
S109	Unknown	2600 JND	ug/kg
S109	Unknown	2500 JND	ug/kg
S109	Unknown	2900 JND	ug/kg
S109	Unknown	21 JN	ug/kg
S109	Unknown	2100 JND	ug/kg
S109	Unknown	37 JN	ug/kg
S109	Unknown	1400 JND	ug/kg
S109	Unknown	20 JN	ug/kg
S109	Unknown	16 JN	ug/kg
S109	Unknown	25 JN	ug/kg
S109	Vanadium	35	mg/kg
S109	Zinc	141 *	mg/kg
S110	1,2-Dichlorobenzene	160 JD	ug/kg
S110	2-Butanone	26	ug/kg
S110	Acenaphthene	170 JD	ug/kg
S110	Acenaphthylene	440 JD	ug/kg
S110	Acetone	67 J	ug/kg
S110	Aluminum	8800	mg/kg
S110	Anthracene	710 JD	ug/kg
S110	Aroclor-1248	47 J	ug/kg
S110	Aroclor-1254	120 JPN	ug/kg
S110	Aroclor-1260	71 PJ	ug/kg
S110	Arsenic	5	mg/kg
S110	Barium	106	mg/kg
S110	Benzo(a)anthracene	1900 D	ug/kg
S110	Benzo(a)pyrene	2500 D	ug/kg
S110	Benzo(b)fluoranthene	2600 D	ug/kg
S110	Benzo(g,h,i)perylene	1200 JD	ug/kg
S110	Benzo(k)fluoranthene	2600 D	ug/kg
S110	Beryllium	0 B	mg/kg
S110	Bis(2-ethylhexyl)phthalate	1900 D	ug/kg

Table L-1B

Upper Ley Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
S110	Butylbenzylphthalate	180 JD	ug/kg
S110	Cadmium	9	mg/kg
S110	Calcium	130000	mg/kg
S110	Carbazole	190 JD	ug/kg
S110	Chlorobenzene	12 J	ug/kg
S110	Chromium	40	mg/kg
S110	Chrysene	2700 D	ug/kg
S110	Cobalt	8 B	mg/kg
S110	Copper	70 *J	mg/kg
S110	Dibenzofuran	140 JD	ug/kg
S110	Fluoranthene	4000 D	ug/kg
S110	Fluorene	180 JD	ug/kg
S110	Indeno(1,2,3-cd)pyrene	1200 JD	ug/kg
S110	Iron	19500	mg/kg
S110	Lead	201 *	mg/kg
S110	Magnesium	27100	mg/kg
S110	Manganese	493	mg/kg
S110	Mercury	1	mg/kg
S110	Nickel	32	mg/kg
S110	Phenanthrene	1300 D	ug/kg
S110	Potassium	1640 B	mg/kg
S110	Pyrene	4000 D	ug/kg
S110	Sodium	1420 B	mg/kg
S110	Total organic carbon	70900	mg/kg
S110	Total solids	51	%
S110	Unknown	4700 JND	ug/kg
S110	Unknown	68 JN	ug/kg
S110	Unknown	1600 JND	ug/kg
S110	Unknown	1400 JND	ug/kg
S110	Unknown	1000 JND	ug/kg
S110	Unknown	87 JN	ug/kg
S110	Unknown	130 JN	ug/kg
S110	Unknown	190 JN	ug/kg
S110	Unknown	150 JN	ug/kg
S110	Unknown	98 JN	ug/kg
S110	Unknown	88 JN	ug/kg
S110	Unknown	130 JN	ug/kg
S110	Vanadium	25	mg/kg
S110	Zinc	303 *	mg/kg

Table L-2A

## Lower Ley Creek Sediment &amp; Soil Samples - Organic Compounds

Location	Parameter	Results	Units
L107	1,2-Dichlorobenzene	440	ug/kg
L107	1,2-Dichloroethene (Total)	8 J	ug/kg
L107	2-Methylnaphthalene	140 J	ug/kg
L107	Acenaphthene	680	ug/kg
L107	Acenaphthylene	600	ug/kg
L107	Acetone	18 J	ug/kg
L107	Anthracene	2200	ug/kg
L107	Aroclor-1248	8000 D	ug/kg
L107	Aroclor-1260	310 J	ug/kg
L107	Benzo(a)anthracene	7200 D	ug/kg
L107	Benzo(a)pyrene	6900 D	ug/kg
L107	Benzo(b)fluoranthene	7800 D	ug/kg
L107	Benzo(g,h,i)perylene	1900	ug/kg
L107	Bis(2-ethylhexyl)phthalate	890	ug/kg
L107	Carbazole	900	ug/kg
L107	Carbon disulfide	2 J	ug/kg
L107	Chrysene	8800 D	ug/kg
L107	Dibenzofuran	440	ug/kg
L107	Ethylbenzene	4 J	ug/kg
L107	Fluoranthene	16000 D	ug/kg
L107	Fluorene	1100	ug/kg
L107	Indeno(1,2,3-cd)pyrene	2100	ug/kg
L107	Naphthalene	140 J	ug/kg
L107	Phenanthrene	8900 D	ug/kg
L107	Pyrene	13000 D	ug/kg
L107	Unknown	230 JN	ug/kg
L107	Unknown	40 JN	ug/kg
L107	Unknown	9 JN	ug/kg
L107	Unknown	6 JN	ug/kg
L107	Unknown	270 JN	ug/kg
L107	Unknown	320 JN	ug/kg
L107	Unknown	560 JN	ug/kg
L107	Unknown	330 JN	ug/kg
L107	Unknown	350 JN	ug/kg
L107	Unknown	390 JN	ug/kg
L107	Vinyl chloride	3 J	ug/kg
L107	Xylene (Total)	3 J	ug/kg
L108	1,2-Dichlorobenzene	450 J	ug/kg
L108	1,4-Dichlorobenzene	160 J	ug/kg
L108	2-Butanone	78 J	ug/kg
L108	2-Methylnaphthalene	670 J	ug/kg
L108	4-Methylphenol	170 J	ug/kg

Table L-2A

## Lower Ley Creek Sediment &amp; Soil Samples - Organic Compounds

Location	Parameter	Results	Units
L108	Acenaphthene	960 J	ug/kg
L108	Acenaphthylene	2300 J	ug/kg
L108	Acetone	240 J	ug/kg
L108	Anthracene	1900 J	ug/kg
L108	Aroclor-1016	230000 JD	ug/kg
L108	Aroclor-1260	7400 JD	ug/kg
L108	Benzene	3 J	ug/kg
L108	Benzo(a)anthracene	5300 J	ug/kg
L108	Benzo(a)pyrene	4800 J	ug/kg
L108	Benzo(b)fluoranthene	9200 J	ug/kg
L108	Benzo(g,h,i)perylene	2000 J	ug/kg
L108	Bis(2-ethylhexyl)phthalate	7500 JD	ug/kg
L108	Carbazole	320 J	ug/kg
L108	Carbon disulfide	18 J	ug/kg
L108	Chloromethane	10 J	ug/kg
L108	Chrysene	12000 JD	ug/kg
L108	Dibenz(a,h)anthracene	430 J	ug/kg
L108	Dibenzofuran	970 J	ug/kg
L108	Fluoranthene	16000 JD	ug/kg
L108	Fluorene	2600 J	ug/kg
L108	Indeno(1,2,3-cd)pyrene	2000 J	ug/kg
L108	Naphthalene	640 J	ug/kg
L108	Phenanthrene	3300 J	ug/kg
L108	Pyrene	21000 JD	ug/kg
L108	Unknown	1600 JN	ug/kg
L108	Unknown	62 JN	ug/kg
L108	Unknown	48 JN	ug/kg
L108	Unknown	180 JN	ug/kg
L108	Unknown	1100 JN	ug/kg
L108	Unknown	640 JN	ug/kg
L108	Unknown	49 JN	ug/kg
L108	Unknown	48 JN	ug/kg
L108	Unknown	79 JN	ug/kg
L108	Unknown	200 JN	ug/kg
L108	Unknown	560 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	1500 JN	ug/kg
L108	Unknown	2000 JN	ug/kg
L108	Unknown	670 JN	ug/kg
L108	Unknown	2600 JN	ug/kg
L108	Unknown	150 JN	ug/kg
L108	Unknown	1300 JN	ug/kg

Table L-2A

## Lower Ley Creek Sediment &amp; Soil Samples - Organic Compounds

Location	Parameter	Results	Units
L108	Unknown	1500 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	950 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Unknown	100 JN	ug/kg
L108	Unknown	66 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Xylene (Total)	31 J	ug/kg
L109	Aroclor-1248	6700 D	ug/kg
L109	Aroclor-1260	230 PJ	ug/kg
L110	Aroclor-1248	360000 D	ug/kg
L110	Aroclor-1260	13000 D	ug/kg
L111	2-Butanone	760 J	ug/kg
L111	2-Methylnaphthalene	240 J	ug/kg
L111	4-Chloroaniline	280 J	ug/kg
L111	Acenaphthene	340 J	ug/kg
L111	Acenaphthylene	1600 J	ug/kg
L111	Acetone	870 JD	ug/kg
L111	Anthracene	1200 J	ug/kg
L111	Aroclor-1016	130000 JD	ug/kg
L111	Aroclor-1260	5400 JD	ug/kg
L111	Benzo(a)anthracene	4400 J	ug/kg
L111	Benzo(a)pyrene	5000 J	ug/kg
L111	Benzo(b)fluoranthene	13000 J	ug/kg
L111	Benzo(g,h,i)perylene	1800 J	ug/kg
L111	Bis(2-ethylhexyl)phthalate	4600 J	ug/kg
L111	Carbazole	440 J	ug/kg
L111	Carbon disulfide	16 J	ug/kg
L111	Chrysene	6400 J	ug/kg
L111	Fluoranthene	8400 J	ug/kg
L111	Indeno(1,2,3-cd)pyrene	2000 J	ug/kg
L111	Naphthalene	220 J	ug/kg
L111	Phenanthrene	2100 J	ug/kg
L111	Pyrene	9500 J	ug/kg
L111	Unknown	5200 JN	ug/kg
L111	Unknown	1700 JN	ug/kg
L111	Unknown	4400 JN	ug/kg
L111	Unknown	4500 JN	ug/kg
L111	Unknown	5200 JN	ug/kg
L111	Unknown	2400 JN	ug/kg

Table L-2A  
Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location	Parameter	Results	Units
L111	Unknown	3800 JN	ug/kg
L111	Unknown	2400 JN	ug/kg
L111	Unknown	580 JN	ug/kg
L111	Unknown	3100 JN	ug/kg
L111	Unknown	3800 JN	ug/kg
L112	1,1-Dichloroethane	3 J	ug/kg
L112	1,2-Dichloroethene (Total)	8 J	ug/kg
L112	2-Butanone	24 J	ug/kg
L112	2-Methylnaphthalene	1100	ug/kg
L112	2-Methylphenol	91 J	ug/kg
L112	Acenaphthene	1400	ug/kg
L112	Acenaphthylene	600	ug/kg
L112	Acetone	61 J	ug/kg
L112	Anthracene	3100 J	ug/kg
L112	Aroclor-1016	140 PJ	ug/kg
L112	Aroclor-1254	1000 D	ug/kg
L112	Aroclor-1260	370 P	ug/kg
L112	Benzene	2 J	ug/kg
L112	Benzo(a)anthracene	5200 D	ug/kg
L112	Benzo(a)pyrene	3800 J	ug/kg
L112	Benzo(b)fluoranthene	5200 D	ug/kg
L112	Benzo(g,h,i)perylene	1400 J	ug/kg
L112	Benzo(k)fluoranthene	4300 D	ug/kg
L112	Bis(2-ethylhexyl)phthalate	3600 J	ug/kg
L112	Carbazole	1300 J	ug/kg
L112	Carbon disulfide	4 J	ug/kg
L112	Chrysene	5300 D	ug/kg
L112	Dibenzofuran	870	ug/kg
L112	Ethylbenzene	6 J	ug/kg
L112	Fluoranthene	10000 D	ug/kg
L112	Fluorene	1500	ug/kg
L112	Indeno(1,2,3-cd)pyrene	1400 J	ug/kg
L112	Naphthalene	1400	ug/kg
L112	Phenanthrene	10000 JD	ug/kg
L112	Pyrene	9200 D	ug/kg
L112	Toluene	21	ug/kg
L112	Trichloroethene	2 J	ug/kg
L112	Unknown	840 JN	ug/kg
L112	Unknown	990 JN	ug/kg
L112	Unknown	98 JN	ug/kg
L112	Unknown	150 JN	ug/kg
L112	Unknown	170 JN	ug/kg

Table L-2A  
Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location	Parameter	Results	Units
L112	Unknown	120 JN	ug/kg
L112	Unknown	730 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	410 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112	Unknown	1200 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	540 JN	ug/kg
L112	Unknown	90 JN	ug/kg
L112	Unknown	170 JN	ug/kg
L112	Unknown	650 JN	ug/kg
L112	Unknown	140 JN	ug/kg
L112	Unknown	110 JN	ug/kg
L112	Unknown	210 JN	ug/kg
L112	Unknown	110 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112	Xylene (Total)	50	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
L101	Acetone	7 J	ug/kg
L101	Anthracene	49 J	ug/kg
L101	Benzo(a)anthracene	190 J	ug/kg
L101	Benzo(a)pyrene	200 J	ug/kg
L101	Benzo(b)fluoranthene	220 J	ug/kg
L101	Benzo(g,h,i)perylene	190 J	ug/kg
L101	Benzo(k)fluoranthene	190 J	ug/kg
L101	Chrysene	300 J	ug/kg
L101	Di-n-octylphthalate	63 J	ug/kg
L101	Ethylbenzene	2 J	ug/kg
L101	Fluoranthene	490	ug/kg
L101	Indeno(1,2,3-cd)pyrene	170 J	ug/kg
L101	Phenanthrene	270 J	ug/kg
L101	Pyrene	460	ug/kg
L101	Unknown	25 JN	ug/kg
L101	Unknown	350 JN	ug/kg
L101	Unknown	470 JN	ug/kg
L101	Xylene (Total)	13	ug/kg
L102	1,1-Dichloroethane	1 J	ug/kg
L102	1,2-Dichloroethene (Total)	3 J	ug/kg
L102	2-Butanone	12 J	ug/kg
L102	2-Methylnaphthalene	380 J	ug/kg
L102	4-Methylphenol	48 J	ug/kg
L102	Acenaphthene	1100	ug/kg
L102	Acenaphthylene	100 J	ug/kg
L102	Acetone	56 J	ug/kg
L102	Anthracene	2000	ug/kg
L102	Aroclor-1016	34 JP	ug/kg
L102	Aroclor-1254	2133 D	ug/kg
L102	Aroclor-1260	7400 D	ug/kg
L102	Benzo(a)anthracene	4600 D	ug/kg
L102	Benzo(a)pyrene	4200 D	ug/kg
L102	Benzo(b)fluoranthene	4300 D	ug/kg
L102	Benzo(g,h,i)perylene	2300	ug/kg
L102	Benzo(k)fluoranthene	1700 J	ug/kg
L102	Bis(2-ethylhexyl)phthalate	720	ug/kg
L102	Carbazole	1900	ug/kg
L102	Carbon disulfide	2 J	ug/kg
L102	Chrysene	5800 D	ug/kg
L102	Dibenz(a,h)anthracene	180 J	ug/kg
L102	Fluoranthene	12000 D	ug/kg
L102	Fluorene	1200	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
L102	Indeno(1,2,3-cd)pyrene	2500	ug/kg
L102	Naphthalene	900	ug/kg
L102	Phenanthrene	12000 D	ug/kg
L102	Pyrene	9200 D	ug/kg
L102	Trichloroethene	2 J	ug/kg
L102	Unknown	150 JN	ug/kg
L102	Unknown	200 JN	ug/kg
L102	Unknown	570 JN	ug/kg
L102	Unknown	110 JN	ug/kg
L102	Unknown	440 JN	ug/kg
L102	Unknown	160 JN	ug/kg
L102	Xylene (Total)	3 J	ug/kg
L103	1,2-Dichloroethene (Total)	2 J	ug/kg
L103	2,4-Dimethylphenol	72 J	ug/kg
L103	2-Butanone	13 J	ug/kg
L103	2-Methylnaphthalene	1800	ug/kg
L103	4-Methylphenol	110 J	ug/kg
L103	Acenaphthene	7800 D	ug/kg
L103	Acenaphthylene	300 J	ug/kg
L103	Acetone	180 J	ug/kg
L103	Anthracene	10000 D	ug/kg
L103	Aroclor-1016	68 PJN	ug/kg
L103	Aroclor-1254	1800 D	ug/kg
L103	Aroclor-1260	7900 D	ug/kg
L103	Benzo(a)anthracene	25000 D	ug/kg
L103	Benzo(a)pyrene	24000 D	ug/kg
L103	Benzo(b)fluoranthene	30000 D	ug/kg
L103	Benzo(g,h,i)perylene	5200 D	ug/kg
L103	Benzo(k)fluoranthene	23000 JD	ug/kg
L103	Bis(2-ethylhexyl)phthalate	940	ug/kg
L103	Carbazole	11000 D	ug/kg
L103	Carbon disulfide	2 J	ug/kg
L103	Chrysene	34000 D	ug/kg
L103	Dibenz(a,h)anthracene	1500	ug/kg
L103	Dibenzofuran	5600 D	ug/kg
L103	Fluoranthene	66000 D	ug/kg
L103	Fluorene	7700 D	ug/kg
L103	Indeno(1,2,3-cd)pyrene	6600 D	ug/kg
L103	Naphthalene	3400	ug/kg
L103	Phenanthrene	61000 D	ug/kg
L103	Pyrene	49000 D	ug/kg
L103	Unknown	320 JN	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
L103	Unknown	820 JN	ug/kg
L103	Unknown	440 JN	ug/kg
L103	Unknown	140 JN	ug/kg
L103	Unknown	160 JN	ug/kg
L103	Unknown	220 JN	ug/kg
L104	1,2-Dichloroethene (Total)	2 J	ug/kg
L104	2-Butanone	100 J	ug/kg
L104	Acenaphthene	54 J	ug/kg
L104	Acenaphthylene	90 J	ug/kg
L104	Acetone	140 JD	ug/kg
L104	Anthracene	110 J	ug/kg
L104	Aroclor-1254	140	ug/kg
L104	Aroclor-1260	83	ug/kg
L104	Benzo(a)anthracene	420 J	ug/kg
L104	Benzo(a)pyrene	130 J	ug/kg
L104	Benzo(b)fluoranthene	420 J	ug/kg
L104	Benzo(g,h,i)perylene	240 J	ug/kg
L104	Benzo(k)fluoranthene	360 J	ug/kg
L104	Carbazole	78 J	ug/kg
L104	Carbon disulfide	3 J	ug/kg
L104	Chrysene	540	ug/kg
L104	Dibenz(a,h)anthracene	130 J	ug/kg
L104	Fluorene	71 J	ug/kg
L104	Indeno(1,2,3-cd)pyrene	250 J	ug/kg
L104	Phenanthrene	600	ug/kg
L104	Pyrene	880	ug/kg
L104	Trichloroethene	15 J	ug/kg
L104	Unknown	410 JN	ug/kg
L104	Unknown	460 JN	ug/kg
L104	Unknown	1000 JN	ug/kg
L105	2-Butanone	18 J	ug/kg
L105	Acetone	84 J	ug/kg
L105	Pyrene	45 J	ug/kg
L105	Unknown	3100 JN	ug/kg
L106	2-Butanone	27 J	ug/kg
L106	Acenaphthene	73 J	ug/kg
L106	Acetone	120 J	ug/kg
L106	Anthracene	140 J	ug/kg
L106	Aroclor-1254	83 PJ	ug/kg
L106	Aroclor-1260	170	ug/kg
L106	Benzo(a)anthracene	470 J	ug/kg
L106	Benzo(a)pyrene	460 J	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
L106	Benzo(b)fluoranthene	520	ug/kg
L106	Benzo(g,h,i)perylene	200 J	ug/kg
L106	Benzo(k)fluoranthene	550 J	ug/kg
L106	Bis(2-ethylhexyl)phthalate	480	ug/kg
L106	Carbazole	120 J	ug/kg
L106	Chrysene	680	ug/kg
L106	Fluoranthene	980	ug/kg
L106	Fluorene	78 J	ug/kg
L106	Indeno(1,2,3-cd)pyrene	210 J	ug/kg
L106	Phenanthrene	720	ug/kg
L106	Pyrene	960	ug/kg
S101	1,2-Dichloroethene (Total)	12 J	ug/kg
S101	2-Methylnaphthalene	670 JD	ug/kg
S101	Acenaphthene	1100 JD	ug/kg
S101	Acenaphthylene	1700 JD	ug/kg
S101	Acetone	53 J	ug/kg
S101	Anthracene	2800 JD	ug/kg
S101	Aroclor-1248	130	ug/kg
S101	Aroclor-1254	190 PJ	ug/kg
S101	Aroclor-1260	140 PJ	ug/kg
S101	Benzo(a)anthracene	5000 JD	ug/kg
S101	Benzo(a)pyrene	5100 JD	ug/kg
S101	Benzo(b)fluoranthene	4300 JD	ug/kg
S101	Benzo(g,h,i)perylene	3000 JD	ug/kg
S101	Benzo(k)fluoranthene	4800 JD	ug/kg
S101	Carbazole	1500 JD	ug/kg
S101	Carbon disulfide	10 J	ug/kg
S101	Chrysene	6900 D	ug/kg
S101	Fluoranthene	13000 D	ug/kg
S101	Fluorene	1000 JD	ug/kg
S101	Indeno(1,2,3-cd)pyrene	2900 JD	ug/kg
S101	Naphthalene	720 JD	ug/kg
S101	Phenanthrene	7300 D	ug/kg
S101	Pyrene	11000 D	ug/kg
S101	Trichloroethene	3 J	ug/kg
S101	Unknown	4000 JND	ug/kg
S101	Unknown	2000 JND	ug/kg
S101	Unknown	7800 JND	ug/kg
S101	Unknown	6100 JND	ug/kg
S101	Unknown	2400 JND	ug/kg
S101	Unknown	2600 JND	ug/kg
S101	Unknown	15 JN	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
S101	Unknown	55 JN	ug/kg
S101	Vinyl chloride	6 J	ug/kg
S102	Acetone	26 J	ug/kg
S102	Anthracene	81 J	ug/kg
S102	Benzo(a)anthracene	77 J	ug/kg
S102	Benzo(a)pyrene	87 J	ug/kg
S102	Benzo(b)fluoranthene	89 J	ug/kg
S102	Benzo(g,h,i)perylene	92 J	ug/kg
S102	Benzo(k)fluoranthene	94 J	ug/kg
S102	Bis(2-ethylhexyl)phthalate	85 J	ug/kg
S102	Carbon disulfide	3 J	ug/kg
S102	Chrysene	100 J	ug/kg
S102	Fluoranthene	210 J	ug/kg
S102	Indeno(1,2,3-cd)pyrene	77 J	ug/kg
S102	Phenanthrene	66 J	ug/kg
S102	Pyrene	190 J	ug/kg
S102	Toluene	2 J	ug/kg
S102	Unknown	1300 JN	ug/kg
S102	Unknown	1500 JN	ug/kg
S102	Unknown	1100 JN	ug/kg
S102	Unknown	1500 JN	ug/kg
S102	Unknown	950 JN	ug/kg
S102	Unknown	810 JN	ug/kg
S102	Unknown	1000 JN	ug/kg
S102	Unknown	790 JN	ug/kg
S102	Unknown	760 JN	ug/kg
S102	Unknown	2400 JN	ug/kg
S102	Unknown	34 JN	ug/kg
S103	1,1-Dichloroethane	3 J	ug/kg
S103	1,1-Dichloroethene	10 J	ug/kg
S103	2-Butanone	6 J	ug/kg
S103	Acenaphthylene	140 J	ug/kg
S103	Acetone	18 J	ug/kg
S103	Anthracene	190 J	ug/kg
S103	Aroclor-1248	1100 D	ug/kg
S103	Benzo(a)anthracene	470 J	ug/kg
S103	Benzo(a)pyrene	520 J	ug/kg
S103	Benzo(b)fluoranthene	520 J	ug/kg
S103	Benzo(g,h,i)perylene	310 J	ug/kg
S103	Benzo(k)fluoranthene	540 J	ug/kg
S103	Bis(2-ethylhexyl)phthalate	130 J	ug/kg
S103	Carbazole	120 J	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
S103	Chrysene	610	ug/kg
S103	Ethylbenzene	2 J	ug/kg
S103	Fluoranthene	1000	ug/kg
S103	Indeno(1,2,3-cd)pyrene	340 J	ug/kg
S103	Isophorone	66 J	ug/kg
S103	Phenanthrene	510 J	ug/kg
S103	Pyrene	830	ug/kg
S103	Unknown	1700 JN	ug/kg
S103	Unknown	790 JN	ug/kg
S103	Unknown	1200 JN	ug/kg
S103	Unknown	910 JN	ug/kg
S103	Unknown	1100 JN	ug/kg
S103	Unknown	1400 JN	ug/kg
S103	Unknown	1100 JN	ug/kg
S103	Unknown	1700 JN	ug/kg
S103	Xylene (Total)	7 J	ug/kg
S104	2-Methylnaphthalene	260 JD	ug/kg
S104	Acenaphthene	890 JD	ug/kg
S104	Acenaphthylene	500 JD	ug/kg
S104	Acetone	16 J	ug/kg
S104	Anthracene	1700 D	ug/kg
S104	Aroclor-1248	130	ug/kg
S104	Aroclor-1254	140	ug/kg
S104	Aroclor-1260	44 J	ug/kg
S104	Benzo(a)anthracene	4500 D	ug/kg
S104	Benzo(a)pyrene	4300 D	ug/kg
S104	Benzo(b)fluoranthene	4700 D	ug/kg
S104	Benzo(g,h,i)perylene	1800 D	ug/kg
S104	Benzo(k)fluoranthene	3300 D	ug/kg
S104	Bis(2-ethylhexyl)phthalate	530 JD	ug/kg
S104	Carbazole	1800 D	ug/kg
S104	Carbon disulfide	3 J	ug/kg
S104	Chrysene	4900 D	ug/kg
S104	Dibenzofuran	620 JD	ug/kg
S104	Di-n-octylphthalate	230 JD	ug/kg
S104	Fluoranthene	9200 D	ug/kg
S104	Fluorene	940 D	ug/kg
S104	Indeno(1,2,3-cd)pyrene	2100 D	ug/kg
S104	Naphthalene	490 JD	ug/kg
S104	Phenanthrene	6200 D	ug/kg
S104	Pyrene	7300 D	ug/kg
S104	Unknown	1800 JND	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
S104	Unknown	1300 JND	ug/kg
S104	Unknown	2600 JND	ug/kg
S104	Unknown	1900 JND	ug/kg
S104	Unknown	1900 JND	ug/kg
S105	2-Butanone	46 J	ug/kg
S105	Acetone	170 J	ug/kg
S105	Bis(2-ethylhexyl)phthalate	180 J	ug/kg
S105	Carbon disulfide	15 J	ug/kg
S105	Chrysene	83 J	ug/kg
S105	Di-n-octylphthalate	230 J	ug/kg
S105	Fluoranthene	120 J	ug/kg
S105	Pyrene	130 J	ug/kg
S105	Unknown	220 JN	ug/kg
S105	Unknown	570 JN	ug/kg
S105	Unknown	410 JN	ug/kg
S105	Unknown	430 JN	ug/kg
S105	Unknown	140 JN	ug/kg
S105	Unknown	170 JN	ug/kg
S105	Unknown	810 JN	ug/kg
S105	Unknown	150 JN	ug/kg
S105	Unknown	290 JN	ug/kg
S105	Unknown	850 JN	ug/kg
S105	Unknown	1000 JN	ug/kg
S105	Unknown	1100 JN	ug/kg
S105	Unknown	1100 JN	ug/kg
S105	Unknown	1300 JN	ug/kg
S105	Unknown	990 JN	ug/kg
S105	Unknown	920 JN	ug/kg
S105	Unknown	1600 JN	ug/kg
S106	2-Methylnaphthalene	400 JD	ug/kg
S106	4-Methylphenol	620 JD	ug/kg
S106	Acenaphthene	1200 JD	ug/kg
S106	Acenaphthylene	1600 JD	ug/kg
S106	Acetone	37 J	ug/kg
S106	Anthracene	4100 JD	ug/kg
S106	Aroclor-1254	75 JP	ug/kg
S106	Aroclor-1260	100 J	ug/kg
S106	Benzo(a)anthracene	11000 JD	ug/kg
S106	Benzo(a)pyrene	12000 JD	ug/kg
S106	Benzo(b)fluoranthene	12000 DJ	ug/kg
S106	Benzo(g,h,i)perylene	4000 JD	ug/kg
S106	Benzo(k)fluoranthene	8100 DJ	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
S106	Bis(2-ethylhexyl)phthalate	3300 JD	ug/kg
S106	Butylbenzylphthalate	550 JD	ug/kg
S106	Carbazole	2800 JD	ug/kg
S106	Carbon disulfide	4 J	ug/kg
S106	Chrysene	13000 DJ	ug/kg
S106	Dibenz(a,h)anthracene	1500 JD	ug/kg
S106	Dibenzofuran	820 JD	ug/kg
S106	Dimethylphthalate	200 JD	ug/kg
S106	Di-n-octylphthalate	750 JD	ug/kg
S106	Fluoranthene	21000 JD	ug/kg
S106	Fluorene	1700 JD	ug/kg
S106	Indeno(1,2,3-cd)pyrene	4700 JD	ug/kg
S106	Naphthalene	690 JD	ug/kg
S106	Phenanthrene	12000 JD	ug/kg
S106	Pyrene	19000 JD	ug/kg
S106	Unknown	450 JND	ug/kg
S106	Unknown	1400 JND	ug/kg
S106	Unknown	1000 JND	ug/kg
S106	Unknown	3300 JND	ug/kg
S106	Unknown	3100 JND	ug/kg
S106	Unknown	460 JND	ug/kg
S106	Unknown	400 JND	ug/kg
S106	Unknown	520 JND	ug/kg
S106	Unknown	16 JN	ug/kg
S106	Unknown	210 JN	ug/kg
S106	Unknown	2700 JND	ug/kg
S107	2-Methylnaphthalene	190 JD	ug/kg
S107	Acenaphthene	790 JD	ug/kg
S107	Acenaphthylene	620 JD	ug/kg
S107	Acetone	13 J	ug/kg
S107	Anthracene	2300 D	ug/kg
S107	Aroclor-1254	42 JPN	ug/kg
S107	Aroclor-1260	38 JP	ug/kg
S107	Benzo(a)anthracene	5600 D	ug/kg
S107	Benzo(a)pyrene	5800 JD	ug/kg
S107	Benzo(b)fluoranthene	6600 JD	ug/kg
S107	Benzo(g,h,i)perylene	1700 JD	ug/kg
S107	Benzo(k)fluoranthene	7500 JD	ug/kg
S107	Bis(2-ethylhexyl)phthalate	920 JD	ug/kg
S107	Carbazole	1400 D	ug/kg
S107	Carbon disulfide	2 J	ug/kg
S107	Chrysene	6400 D	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
S107	Dibenz(a,h)anthracene	1000 JD	ug/kg
S107	Dibenzofuran	450 JD	ug/kg
S107	Di-n-octylphthalate	170 JD	ug/kg
S107	Fluoranthene	11000 D	ug/kg
S107	Fluorene	1100 D	ug/kg
S107	Indeno(1,2,3-cd)pyrene	2000 JD	ug/kg
S107	Naphthalene	170 JD	ug/kg
S107	Phenanthrene	7000 D	ug/kg
S107	Pyrene	9000 D	ug/kg
S107	Unknown	2100 JND	ug/kg
S107	Unknown	990 JND	ug/kg
S107	Unknown	620 JND	ug/kg
S107	Unknown	560 JND	ug/kg
S107	Unknown	950 JND	ug/kg
S107	Unknown	3600 JND	ug/kg
S108	2-Methylnaphthalene	260 J	ug/kg
S108	Acenaphthene	130 J	ug/kg
S108	Acenaphthylene	520	ug/kg
S108	Anthracene	450 J	ug/kg
S108	Aroclor-1260	31 J	ug/kg
S108	Benzo(a)anthracene	1300	ug/kg
S108	Benzo(a)pyrene	1300	ug/kg
S108	Benzo(b)fluoranthene	1700	ug/kg
S108	Benzo(g,h,i)perylene	380 J	ug/kg
S108	Benzo(k)fluoranthene	1300	ug/kg
S108	Bis(2-ethylhexyl)phthalate	51 J	ug/kg
S108	Carbazole	120 J	ug/kg
S108	Chloromethane	9 J	ug/kg
S108	Chrysene	1400	ug/kg
S108	Dibenzofuran	250 J	ug/kg
S108	Fluoranthene	2000	ug/kg
S108	Fluorene	160 J	ug/kg
S108	Indeno(1,2,3-cd)pyrene	490	ug/kg
S108	Naphthalene	260 J	ug/kg
S108	Phenanthrene	720	ug/kg
S108	Pyrene	1600	ug/kg
S108	Unknown	1200 JN	ug/kg
S109	2-Butanone	28	ug/kg
S109	2-Methylnaphthalene	200 JD	ug/kg
S109	Acenaphthene	550 JD	ug/kg
S109	Acenaphthylene	910 JD	ug/kg
S109	Acetone	81 J	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
S109	Anthracene	2000 D	ug/kg
S109	Aroclor-1248	66	ug/kg
S109	Aroclor-1254	74	ug/kg
S109	Aroclor-1260	64 PJ	ug/kg
S109	Benzo(a)anthracene	5500 D	ug/kg
S109	Benzo(a)pyrene	6000 JD	ug/kg
S109	Benzo(b)fluoranthene	6600 JD	ug/kg
S109	Benzo(g,h,i)perylene	1800 JD	ug/kg
S109	Benzo(k)fluoranthene	5500 JD	ug/kg
S109	Bis(2-ethylhexyl)phthalate	2300 D	ug/kg
S109	Butylbenzylphthalate	340 JD	ug/kg
S109	Carbazole	1200 D	ug/kg
S109	Chrysene	6700 D	ug/kg
S109	Dibenzofuran	290 JD	ug/kg
S109	Di-n-octylphthalate	170 JD	ug/kg
S109	Fluoranthene	11000 D	ug/kg
S109	Fluorene	690 JD	ug/kg
S109	Indeno(1,2,3-cd)pyrene	2200 JD	ug/kg
S109	Naphthalene	220 JD	ug/kg
S109	Phenanthrene	5700 D	ug/kg
S109	Pyrene	9300 D	ug/kg
S109	Unknown	2500 JND	ug/kg
S109	Unknown	2600 JND	ug/kg
S109	Unknown	1400 JND	ug/kg
S109	Unknown	2900 JND	ug/kg
S109	Unknown	1400 JND	ug/kg
S109	Unknown	20 JN	ug/kg
S109	Unknown	2100 JND	ug/kg
S109	Unknown	3900 JND	ug/kg
S109	Unknown	21 JN	ug/kg
S109	Unknown	2100 JND	ug/kg
S109	Unknown	16 JN	ug/kg
S109	Unknown	37 JN	ug/kg
S109	Unknown	27 JN	ug/kg
S109	Unknown	40 JN	ug/kg
S109	Unknown	25 JN	ug/kg
S110	1,2-Dichlorobenzene	160 JD	ug/kg
S110	2-Butanone	26	ug/kg
S110	Acenaphthene	170 JD	ug/kg
S110	Acenaphthylene	440 JD	ug/kg
S110	Acetone	67 J	ug/kg
S110	Anthracene	710 JD	ug/kg

Table L-2B  
Upper Ley Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
S110	Aroclor-1248	47 J	ug/kg
S110	Aroclor-1254	120 JPN	ug/kg
S110	Aroclor-1260	71 PJ	ug/kg
S110	Benzo(a)anthracene	1900 D	ug/kg
S110	Benzo(a)pyrene	2500 D	ug/kg
S110	Benzo(b)fluoranthene	2600 D	ug/kg
S110	Benzo(g,h,i)perylene	1200 JD	ug/kg
S110	Benzo(k)fluoranthene	2600 D	ug/kg
S110	Bis(2-ethylhexyl)phthalate	1900 D	ug/kg
S110	Butylbenzylphthalate	180 JD	ug/kg
S110	Carbazole	190 JD	ug/kg
S110	Chlorobenzene	12 J	ug/kg
S110	Chrysene	2700 D	ug/kg
S110	Dibenzofuran	140 JD	ug/kg
S110	Fluoranthene	4000 D	ug/kg
S110	Fluorene	180 JD	ug/kg
S110	Indeno(1,2,3-cd)pyrene	1200 JD	ug/kg
S110	Phenanthrene	1300 D	ug/kg
S110	Pyrene	4000 D	ug/kg
S110	Unknown	88 JN	ug/kg
S110	Unknown	98 JN	ug/kg
S110	Unknown	150 JN	ug/kg
S110	Unknown	190 JN	ug/kg
S110	Unknown	68 JN	ug/kg
S110	Unknown	130 JN	ug/kg
S110	Unknown	87 JN	ug/kg
S110	Unknown	1000 JND	ug/kg
S110	Unknown	1400 JND	ug/kg
S110	Unknown	4700 JND	ug/kg
S110	Unknown	1600 JND	ug/kg
S110	Unknown	130 JN	ug/kg

Table L-3A  
Lower Ley Creek Sediments - Metals

Location	Parameter	Results	Units
L107	Aluminum	3440 *	mg/kg
L107	Arsenic	3	mg/kg
L107	Barium	61 *	mg/kg
L107	Beryllium	0 B	mg/kg
L107	Cadmium	1 B	mg/kg
L107	Calcium	188000 *	mg/kg
L107	Chromium	138 *	mg/kg
L107	Cobalt	3 B	mg/kg
L107	Copper	223 EJ	mg/kg
L107	Iron	9480 *	mg/kg
L107	Lead	123	mg/kg
L107	Magnesium	27600	mg/kg
L107	Manganese	360 NJ	mg/kg
L107	Nickel	38	mg/kg
L107	Potassium	730 B	mg/kg
L107	Sodium	206 B	mg/kg
L107	Vanadium	12 B	mg/kg
L107	Zinc	381	mg/kg
L108	Aluminum	12800 *	mg/kg
L108	Antimony	28 NJ	mg/kg
L108	Arsenic	20	mg/kg
L108	Barium	257 *	mg/kg
L108	Beryllium	1 B	mg/kg
L108	Cadmium	6	mg/kg
L108	Calcium	57800 *	mg/kg
L108	Chromium	6290 *	mg/kg
L108	Cobalt	10 B	mg/kg
L108	Copper	1170 E	mg/kg
L108	Cyanide	9	mg/kg
L108	Iron	22000 *	mg/kg
L108	Lead	514	mg/kg
L108	Magnesium	13900	mg/kg
L108	Manganese	284 NJ	mg/kg
L108	Mercury	1	mg/kg
L108	Nickel	1460	mg/kg
L108	Potassium	2360	mg/kg
L108	Selenium	2 B	mg/kg
L108	Silver	6	mg/kg
L108	Sodium	364 B	mg/kg
L108	Thallium	2 B	mg/kg
L108	Vanadium	42	mg/kg
L108	Zinc	817	mg/kg

Table L-3A  
Lower Ley Creek Sediments - Metals

Location	Parameter	Results	Units
L111	Aluminum	3990 J*	mg/kg
L111	Arsenic	11 BJ	mg/kg
L111	Barium	146 BJ*	mg/kg
L111	Beryllium	0 BJ	mg/kg
L111	Cadmium	2 BJ	mg/kg
L111	Calcium	39700 J*	mg/kg
L111	Chromium	135 J*	mg/kg
L111	Cobalt	4 BJ	mg/kg
L111	Copper	70 EJ	mg/kg
L111	Iron	16700 J*	mg/kg
L111	Lead	85 J	mg/kg
L111	Magnesium	6070 BJ	mg/kg
L111	Manganese	172 NJ	mg/kg
L111	Nickel	46 BJ	mg/kg
L111	Potassium	711 BJ	mg/kg
L111	Sodium	819 BJ	mg/kg
L111	Vanadium	16 BJ	mg/kg
L111	Zinc	164 J	mg/kg
L112	Aluminum	11200 *	mg/kg
L112	Antimony	2 BNJ	mg/kg
L112	Arsenic	22	mg/kg
L112	Barium	88 *	mg/kg
L112	Beryllium	1 B	mg/kg
L112	Cadmium	594	mg/kg
L112	Calcium	44500 *	mg/kg
L112	Chromium	568 *	mg/kg
L112	Cobalt	6 B	mg/kg
L112	Copper	88 EJ	mg/kg
L112	Cyanide	22	mg/kg
L112	Iron	34500 *	mg/kg
L112	Lead	164	mg/kg
L112	Magnesium	4280	mg/kg
L112	Manganese	1840 NJ	mg/kg
L112	Mercury	0	mg/kg
L112	Nickel	28	mg/kg
L112	Potassium	1090 B	mg/kg
L112	Sodium	752 B	mg/kg
L112	Thallium	1 B	mg/kg
L112	Vanadium	27	mg/kg
L112	Zinc	5050	mg/kg

Table L-3B  
Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
L101	Aluminum	521 *	mg/kg
L101	Barium	7 B*	mg/kg
L101	Beryllium	0 B	mg/kg
L101	Cadmium	0 B	mg/kg
L101	Calcium	84700 *	mg/kg
L101	Chromium	1 B*	mg/kg
L101	Cobalt	1 B	mg/kg
L101	Copper	2 BE	mg/kg
L101	Iron	1870 *	mg/kg
L101	Lead	4	mg/kg
L101	Magnesium	9000	mg/kg
L101	Manganese	137 NJ	mg/kg
L101	Nickel	2 B	mg/kg
L101	Potassium	139 B	mg/kg
L101	Sodium	252 B	mg/kg
L101	Vanadium	2 B	mg/kg
L101	Zinc	24	mg/kg
L102	Aluminum	11500 *	mg/kg
L102	Arsenic	5	mg/kg
L102	Barium	75 *	mg/kg
L102	Beryllium	1 B	mg/kg
L102	Cadmium	0 B	mg/kg
L102	Calcium	84500 *	mg/kg
L102	Chromium	43 *	mg/kg
L102	Cobalt	7 B	mg/kg
L102	Copper	48 EJ	mg/kg
L102	Iron	16800 *	mg/kg
L102	Lead	54	mg/kg
L102	Magnesium	20500	mg/kg
L102	Manganese	311 NJ	mg/kg
L102	Mercury	1	mg/kg
L102	Nickel	21	mg/kg
L102	Potassium	3050	mg/kg
L102	Silver	1 B	mg/kg
L102	Sodium	373 B	mg/kg
L102	Vanadium	26	mg/kg
L102	Zinc	154	mg/kg
L103	Aluminum	8890 *	mg/kg
L103	Arsenic	8	mg/kg
L103	Barium	85 *	mg/kg
L103	Beryllium	1 B	mg/kg
L103	Cadmium	2	mg/kg

Table L-3B  
Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
L103	Calcium	34600 *	mg/kg
L103	Chromium	98 *	mg/kg
L103	Cobalt	10 B	mg/kg
L103	Copper	116 EJ	mg/kg
L103	Iron	23800 *	mg/kg
L103	Lead	401	mg/kg
L103	Magnesium	6300	mg/kg
L103	Manganese	475 NJ	mg/kg
L103	Mercury	0	mg/kg
L103	Nickel	26	mg/kg
L103	Potassium	1570	mg/kg
L103	Selenium	1 B	mg/kg
L103	Silver	7	mg/kg
L103	Sodium	157 B	mg/kg
L103	Vanadium	22	mg/kg
L103	Zinc	540	mg/kg
L104	Aluminum	9080 *	mg/kg
L104	Arsenic	10	mg/kg
L104	Barium	47 B*	mg/kg
L104	Beryllium	0 B	mg/kg
L104	Calcium	30600 *	mg/kg
L104	Chromium	21 *	mg/kg
L104	Cobalt	6 B	mg/kg
L104	Copper	21 EJ	mg/kg
L104	Iron	16800 *	mg/kg
L104	Lead	24	mg/kg
L104	Magnesium	6840	mg/kg
L104	Manganese	216 NJ	mg/kg
L104	Nickel	15	mg/kg
L104	Potassium	1670	mg/kg
L104	Sodium	127 B	mg/kg
L104	Vanadium	18	mg/kg
L104	Zinc	88	mg/kg
L105	Aluminum	15700 *	mg/kg
L105	Arsenic	4	mg/kg
L105	Barium	92 *	mg/kg
L105	Beryllium	1 B	mg/kg
L105	Calcium	17800 *	mg/kg
L105	Chromium	23 *	mg/kg
L105	Cobalt	12 B	mg/kg
L105	Copper	16 EJ	mg/kg
L105	Iron	28400 *	mg/kg

Table L-3B  
Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
L105	Lead	12	mg/kg
L105	Magnesium	9750	mg/kg
L105	Manganese	300 NJ	mg/kg
L105	Nickel	26	mg/kg
L105	Potassium	2430	mg/kg
L105	Sodium	163 B	mg/kg
L105	Vanadium	31	mg/kg
L105	Zinc	71	mg/kg
L106	Aluminum	9460 *	mg/kg
L106	Arsenic	4	mg/kg
L106	Barium	72 *	mg/kg
L106	Beryllium	0 B	mg/kg
L106	Cadmium	0 B	mg/kg
L106	Calcium	39100 *	mg/kg
L106	Chromium	19 *	mg/kg
L106	Cobalt	9 B	mg/kg
L106	Copper	29 EJ	mg/kg
L106	Iron	17100 *	mg/kg
L106	Lead	44	mg/kg
L106	Magnesium	9900	mg/kg
L106	Manganese	347 NJ	mg/kg
L106	Nickel	20	mg/kg
L106	Potassium	1490	mg/kg
L106	Sodium	221 B	mg/kg
L106	Vanadium	22	mg/kg
L106	Zinc	568	mg/kg
L113	Lead	26	mg/kg
S101	Aluminum	8430	mg/kg
S101	Antimony	3 BNJ	mg/kg
S101	Arsenic	18	mg/kg
S101	Barium	189	mg/kg
S101	Beryllium	1 B	mg/kg
S101	Cadmium	10	mg/kg
S101	Calcium	56800	mg/kg
S101	Chromium	75	mg/kg
S101	Cobalt	9 B	mg/kg
S101	Copper	419 *J	mg/kg
S101	Iron	17800	mg/kg
S101	Lead	228 *	mg/kg
S101	Magnesium	11600	mg/kg
S101	Manganese	418	mg/kg
S101	Mercury	1	mg/kg

Table L-3B  
Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
S101	Nickel	56	mg/kg
S101	Potassium	1510 B	mg/kg
S101	Selenium	2 B	mg/kg
S101	Silver	48	mg/kg
S101	Sodium	259 B	mg/kg
S101	Vanadium	24	mg/kg
S101	Zinc	520 *	mg/kg
S102	Aluminum	10900	mg/kg
S102	Arsenic	4	mg/kg
S102	Barium	100	mg/kg
S102	Beryllium	0 B	mg/kg
S102	Cadmium	1 B	mg/kg
S102	Calcium	6920	mg/kg
S102	Chromium	20	mg/kg
S102	Cobalt	8 B	mg/kg
S102	Copper	64 *J	mg/kg
S102	Iron	16900	mg/kg
S102	Lead	15 *	mg/kg
S102	Magnesium	5080	mg/kg
S102	Manganese	134	mg/kg
S102	Mercury	0 B	mg/kg
S102	Nickel	26	mg/kg
S102	Potassium	1830	mg/kg
S102	Selenium	1 B	mg/kg
S102	Silver	2 B	mg/kg
S102	Sodium	261 B	mg/kg
S102	Vanadium	21	mg/kg
S102	Zinc	115 *	mg/kg
S103	Aluminum	8910	mg/kg
S103	Arsenic	4	mg/kg
S103	Barium	80	mg/kg
S103	Beryllium	1 B	mg/kg
S103	Cadmium	1 B	mg/kg
S103	Calcium	6030	mg/kg
S103	Chromium	16	mg/kg
S103	Cobalt	9 B	mg/kg
S103	Copper	70 *J	mg/kg
S103	Iron	29300	mg/kg
S103	Lead	32 *	mg/kg
S103	Magnesium	3490	mg/kg
S103	Manganese	547	mg/kg
S103	Nickel	20	mg/kg

Table L-3B  
Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
S103	Potassium	1390 B	mg/kg
S103	Selenium	1 B	mg/kg
S103	Silver	0 B	mg/kg
S103	Sodium	69 B	mg/kg
S103	Thallium	1 B	mg/kg
S103	Vanadium	18	mg/kg
S103	Zinc	228 *	mg/kg
S104	Aluminum	4840	mg/kg
S104	Arsenic	3	mg/kg
S104	Barium	41 B	mg/kg
S104	Beryllium	0 B	mg/kg
S104	Cadmium	1	mg/kg
S104	Calcium	180000	mg/kg
S104	Chromium	18	mg/kg
S104	Cobalt	4 B	mg/kg
S104	Copper	121 *J	mg/kg
S104	Iron	11000	mg/kg
S104	Lead	73 *	mg/kg
S104	Magnesium	15500	mg/kg
S104	Manganese	326	mg/kg
S104	Mercury	0 B	mg/kg
S104	Nickel	17	mg/kg
S104	Potassium	721 B	mg/kg
S104	Silver	2 B	mg/kg
S104	Sodium	209 B	mg/kg
S104	Vanadium	11 B	mg/kg
S104	Zinc	138 *	mg/kg
S105	Aluminum	19300	mg/kg
S105	Arsenic	4	mg/kg
S105	Barium	106	mg/kg
S105	Beryllium	1 B	mg/kg
S105	Cadmium	0 B	mg/kg
S105	Calcium	6890	mg/kg
S105	Chromium	25	mg/kg
S105	Cobalt	11 B	mg/kg
S105	Copper	34 *J	mg/kg
S105	Iron	28300	mg/kg
S105	Lead	14 *	mg/kg
S105	Magnesium	6240	mg/kg
S105	Manganese	367	mg/kg
S105	Mercury	0 B	mg/kg
S105	Nickel	25	mg/kg

Table L-3B

## Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
S105	Potassium	2960	mg/kg
S105	Selenium	1 B	mg/kg
S105	Silver	3 B	mg/kg
S105	Sodium	126 B	mg/kg
S105	Thallium	1 B	mg/kg
S105	Vanadium	37	mg/kg
S105	Zinc	135 *	mg/kg
S106	Aluminum	8010 J	mg/kg
S106	Arsenic	5 J	mg/kg
S106	Barium	80 BJ	mg/kg
S106	Beryllium	1 BJ	mg/kg
S106	Cadmium	2 BJ	mg/kg
S106	Calcium	274000 J	mg/kg
S106	Chromium	64 J	mg/kg
S106	Cobalt	8 BJ	mg/kg
S106	Copper	175 *J	mg/kg
S106	Iron	21300 J	mg/kg
S106	Lead	184 *J	mg/kg
S106	Magnesium	29900 J	mg/kg
S106	Manganese	447 J	mg/kg
S106	Mercury	0 J	mg/kg
S106	Nickel	24 J	mg/kg
S106	Potassium	1470 BJ	mg/kg
S106	Silver	1 BJ	mg/kg
S106	Sodium	457 BJ	mg/kg
S106	Vanadium	27 J	mg/kg
S106	Zinc	269 *J	mg/kg
S107	Aluminum	3520	mg/kg
S107	Arsenic	3 B	mg/kg
S107	Barium	36 B	mg/kg
S107	Beryllium	0 B	mg/kg
S107	Cadmium	2	mg/kg
S107	Calcium	147000	mg/kg
S107	Chromium	24	mg/kg
S107	Cobalt	4 B	mg/kg
S107	Copper	74 *J	mg/kg
S107	Iron	14400	mg/kg
S107	Lead	61 *	mg/kg
S107	Magnesium	16200	mg/kg
S107	Manganese	239	mg/kg
S107	Nickel	20	mg/kg
S107	Potassium	730 B	mg/kg

Table L-3B  
Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
S107	Silver	1 B	mg/kg
S107	Sodium	308 B	mg/kg
S107	Vanadium	15 B	mg/kg
S107	Zinc	146 *	mg/kg
S108	Aluminum	5760	mg/kg
S108	Arsenic	7	mg/kg
S108	Barium	109	mg/kg
S108	Beryllium	0 B	mg/kg
S108	Cadmium	0 B	mg/kg
S108	Calcium	40800	mg/kg
S108	Chromium	11	mg/kg
S108	Cobalt	6 B	mg/kg
S108	Copper	23 *J	mg/kg
S108	Iron	14400	mg/kg
S108	Lead	21 *	mg/kg
S108	Magnesium	8720	mg/kg
S108	Manganese	334	mg/kg
S108	Nickel	13	mg/kg
S108	Potassium	1240 B	mg/kg
S108	Sodium	180 B	mg/kg
S108	Vanadium	17	mg/kg
S108	Zinc	55 *	mg/kg
S109	Aluminum	9840	mg/kg
S109	Arsenic	5	mg/kg
S109	Barium	78	mg/kg
S109	Beryllium	0 B	mg/kg
S109	Cadmium	1 B	mg/kg
S109	Calcium	37200	mg/kg
S109	Chromium	27	mg/kg
S109	Cobalt	8 B	mg/kg
S109	Copper	38 *J	mg/kg
S109	Iron	18500 B	mg/kg
S109	Lead	74 *	mg/kg
S109	Magnesium	9720	mg/kg
S109	Manganese	239	mg/kg
S109	Mercury	0	mg/kg
S109	Nickel	21	mg/kg
S109	Potassium	1850	mg/kg
S109	Sodium	226 B	mg/kg
S109	Vanadium	35	mg/kg
S109	Zinc	141 *	mg/kg
S110	Aluminum	8800	mg/kg

Table L-3B  
Upper Ley Creek Sediments - Metals

Location	Parameter	Results	Units
S110	Arsenic	5	mg/kg
S110	Barium	106	mg/kg
S110	Beryllium	0 B	mg/kg
S110	Cadmium	9	mg/kg
S110	Calcium	130000	mg/kg
S110	Chromium	40	mg/kg
S110	Cobalt	8 B	mg/kg
S110	Copper	70 *J	mg/kg
S110	Iron	19500	mg/kg
S110	Lead	201 *	mg/kg
S110	Magnesium	27100	mg/kg
S110	Manganese	493	mg/kg
S110	Mercury	1	mg/kg
S110	Nickel	32	mg/kg
S110	Potassium	1640 B	mg/kg
S110	Sodium	1420 B	mg/kg
S110	Vanadium	25	mg/kg
S110	Zinc	303 *	mg/kg

Table O-1A

Onondaga Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
O101	Aroclor-1248	33 JPN	ug/kg
O101	Aroclor-1254	53 PJ	ug/kg
O101	Aroclor-1260	29 J	ug/kg
O101	Mercury	0	mg/kg
O101	Total organic carbon	65400	mg/kg
O101	Total solids	70	%
O102	Aluminum	4640	mg/kg
O102	Arsenic	2 B	mg/kg
O102	Barium	80	mg/kg
O102	Beryllium	0 B	mg/kg
O102	Cadmium	0 B	mg/kg
O102	Calcium	47900	mg/kg
O102	Chromium	12	mg/kg
O102	Cobalt	5 B	mg/kg
O102	Copper	26 *J	mg/kg
O102	Iron	12300	mg/kg
O102	Lead	33 *	mg/kg
O102	Magnesium	12500	mg/kg
O102	Manganese	325	mg/kg
O102	Nickel	14	mg/kg
O102	Potassium	809 B	mg/kg
O102	Silver	0 B	mg/kg
O102	Sodium	131 B	mg/kg
O102	Vanadium	11 B	mg/kg
O102	Zinc	75 *	mg/kg
O103	2-Methylnaphthalene	59 J	ug/kg
O103	Acenaphthene	110 J	ug/kg
O103	Acenaphthylene	130 J	ug/kg
O103	Aluminum	2490	mg/kg
O103	Anthracene	410 J	ug/kg
O103	Aroclor-1248	29 PJP	ug/kg
O103	Aroclor-1254	150 PJ	ug/kg
O103	Aroclor-1260	22 PJP	ug/kg
O103	Arsenic	2 B	mg/kg
O103	Barium	48 B	mg/kg
O103	Benzo(a)anthracene	1300	ug/kg
O103	Benzo(a)pyrene	1300	ug/kg
O103	Benzo(b)fluoranthene	1300	ug/kg
O103	Benzo(g,h,i)perylene	650	ug/kg
O103	Benzo(k)fluoranthene	1200	ug/kg
O103	Beryllium	0 B	mg/kg
O103	Bis(2-ethylhexyl)phthalate	380 J	ug/kg

Table O-1A

Onondaga Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
O103	Butylbenzylphthalate	120 J	ug/kg
O103	Cadmium	0 B	mg/kg
O103	Calcium	80900	mg/kg
O103	Carbazole	360 J	ug/kg
O103	Chromium	8	mg/kg
O103	Chrysene	1500	ug/kg
O103	Cobalt	3 B	mg/kg
O103	Copper	16 *J	mg/kg
O103	Dibenzofuran	77 J	ug/kg
O103	Di-n-butylphthalate	80 J	ug/kg
O103	Di-n-octylphthalate	45 J	ug/kg
O103	Fluoranthene	2700	ug/kg
O103	Fluorene	170 J	ug/kg
O103	Indeno(1,2,3-cd)pyrene	700	ug/kg
O103	Iron	6810	mg/kg
O103	Lead	19 *	mg/kg
O103	Magnesium	11000	mg/kg
O103	Manganese	156	mg/kg
O103	Nickel	8 B	mg/kg
O103	Phenanthrene	1600	ug/kg
O103	Potassium	540 B	mg/kg
O103	Pyrene	2200	ug/kg
O103	Sodium	2870	mg/kg
O103	Total organic carbon	15700	mg/kg
O103	Total solids	76	%
O103	Unknown	610 JN	ug/kg
O103	Unknown	1100 JN	ug/kg
O103	Vanadium	6 B	mg/kg
O103	Zinc	57 *	mg/kg
O106	Aroclor-1248	69	ug/kg
O106	Aroclor-1254	280 PJ	ug/kg
O106	Aroclor-1260	730	ug/kg
O106	Total organic carbon	54200	mg/kg
O106	Total solids	53	%

Table O-1B  
Onondaga Creek Soils - All Detections for All Parameters

Location	Parameter	Results	Units
O104	1,2-Dichloroethene (Total)	5 J	ug/kg
O104	2-Butanone	33	ug/kg
O104	2-Methylnaphthalene	1200 JD	ug/kg
O104	4-Nitroaniline	1700 JD	ug/kg
O104	Acenaphthene	9600 D	ug/kg
O104	Acenaphthylene	1500 JD	ug/kg
O104	Acetone	98	ug/kg
O104	Aluminum	4490	mg/kg
O104	Anthracene	7000 D	ug/kg
O104	Aroclor-1254	380	ug/kg
O104	Aroclor-1260	940 D	ug/kg
O104	Arsenic	3 B	mg/kg
O104	Barium	60 B	mg/kg
O104	Benzo(a)anthracene	12000 D	ug/kg
O104	Benzo(a)pyrene	11000 D	ug/kg
O104	Benzo(b)fluoranthene	8700 D	ug/kg
O104	Benzo(g,h,i)perylene	5700 JD	ug/kg
O104	Benzo(k)fluoranthene	10000 D	ug/kg
O104	Beryllium	0 B	mg/kg
O104	Bis(2-ethylhexyl)phthalate	1200 JD	ug/kg
O104	Cadmium	1 B	mg/kg
O104	Calcium	69700	mg/kg
O104	Carbazole	6400 D	ug/kg
O104	Carbon disulfide	8 J	ug/kg
O104	Chromium	32	mg/kg
O104	Chrysene	14000 D	ug/kg
O104	Cobalt	5 B	mg/kg
O104	Copper	1150 *J	mg/kg
O104	Dibenzofuran	2300 JD	ug/kg
O104	Fluoranthene	32000 D	ug/kg
O104	Fluorene	4400 JD	ug/kg
O104	Indeno(1,2,3-cd)pyrene	5800 JD	ug/kg
O104	Iron	14000	mg/kg
O104	Lead	178 *	mg/kg
O104	Magnesium	11900	mg/kg
O104	Manganese	195	mg/kg
O104	Mercury	1	mg/kg
O104	Naphthalene	2200 JD	ug/kg
O104	Nickel	22	mg/kg
O104	Phenanthrene	24000 D	ug/kg
O104	Potassium	960 B	mg/kg
O104	Pyrene	27000 D	ug/kg

Table O-1B  
Onondaga Creek Soils - All Detections for All Parameters

Location	Parameter	Results	Units
O104	Selenium	3	mg/kg
O104	Silver	5	mg/kg
O104	Sodium	1020 B	mg/kg
O104	Toluene	2 J	ug/kg
O104	Total organic carbon	61900	mg/kg
O104	Total solids	54	%
O104	Unknown	5400 JND	ug/kg
O104	Unknown	19 JN	ug/kg
O104	Unknown	18 JN	ug/kg
O104	Unknown	16000 JND	ug/kg
O104	Unknown	9000 JND	ug/kg
O104	Unknown	35 JN	ug/kg
O104	Unknown	15 JN	ug/kg
O104	Unknown	19 JN	ug/kg
O104	Unknown	22 JN	ug/kg
O104	Unknown	35 JN	ug/kg
O104	Unknown	15 JN	ug/kg
O104	Unknown	4900 JND	ug/kg
O104	Unknown	30 JN	ug/kg
O104	Vanadium	14 B	mg/kg
O104	Zinc	251 *	mg/kg
O105	2-Butanone	7 J	ug/kg
O105	Acenaphthene	990 JD	ug/kg
O105	Acenaphthylene	1100 JD	ug/kg
O105	Acetone	20 J	ug/kg
O105	Aluminum	3140	mg/kg
O105	Anthracene	2300 JD	ug/kg
O105	Aroclor-1254	82 PJ	ug/kg
O105	Aroclor-1260	100 PJ	ug/kg
O105	Arsenic	6	mg/kg
O105	Barium	117	mg/kg
O105	Benzo(a)anthracene	5500 D	ug/kg
O105	Benzo(a)pyrene	5100 D	ug/kg
O105	Benzo(b)fluoranthene	3900 JD	ug/kg
O105	Benzo(g,h,i)perylene	2500 JD	ug/kg
O105	Benzo(k)fluoranthene	4000 JD	ug/kg
O105	Beryllium	0 B	mg/kg
O105	Cadmium	0 B	mg/kg
O105	Calcium	78500	mg/kg
O105	Carbazole	1600 JD	ug/kg
O105	Chromium	35	mg/kg
O105	Chrysene	6400 D	ug/kg

Table O-1B  
Onondaga Creek Soils - All Detections for All Parameters

Location	Parameter	Results	Units
O105	Cobalt	6 B	mg/kg
O105	Copper	114 *J	mg/kg
O105	Dibenzofuran	570 JD	ug/kg
O105	Fluoranthene	12000 D	ug/kg
O105	Fluorene	1400 JD	ug/kg
O105	Indeno(1,2,3-cd)pyrene	2400 JD	ug/kg
O105	Iron	27300	mg/kg
O105	Lead	167 *	mg/kg
O105	Magnesium	10500	mg/kg
O105	Manganese	284	mg/kg
O105	Mercury	1	mg/kg
O105	Nickel	32	mg/kg
O105	Phenanthrene	9900 D	ug/kg
O105	Potassium	622 B	mg/kg
O105	Pyrene	10000 D	ug/kg
O105	Selenium	2	mg/kg
O105	Silver	2 B	mg/kg
O105	Sodium	831 B	mg/kg
O105	Total organic carbon	32200	mg/kg
O105	Total solids	75	%
O105	Unknown	8 JN	ug/kg
O105	Unknown	10 JN	ug/kg
O105	Unknown	2000 JND	ug/kg
O105	Unknown	2100 JND	ug/kg
O105	Unknown	2300 JND	ug/kg
O105	Unknown	3900 JND	ug/kg
O105	Vanadium	12 B	mg/kg
O105	Zinc	170 *	mg/kg

Table O-2A  
Onondaga Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
O101	Aroclor-1248	33 JPN	ug/kg
O101	Aroclor-1254	53 PJ	ug/kg
O101	Aroclor-1260	29 J	ug/kg
O103	2-Methylnaphthalene	59 J	ug/kg
O103	Acenaphthene	110 J	ug/kg
O103	Acenaphthylene	130 J	ug/kg
O103	Anthracene	410 J	ug/kg
O103	Aroclor-1248	29 PJP	ug/kg
O103	Aroclor-1254	150 PJ	ug/kg
O103	Aroclor-1260	22 PJP	ug/kg
O103	Benzo(a)anthracene	1300	ug/kg
O103	Benzo(a)pyrene	1300	ug/kg
O103	Benzo(b)fluoranthene	1300	ug/kg
O103	Benzo(g,h,i)perylene	650	ug/kg
O103	Benzo(k)fluoranthene	1200	ug/kg
O103	Bis(2-ethylhexyl)phthalate	380 J	ug/kg
O103	Butylbenzylphthalate	120 J	ug/kg
O103	Carbazole	360 J	ug/kg
O103	Chrysene	1500	ug/kg
O103	Dibenzofuran	77 J	ug/kg
O103	Di-n-butylphthalate	80 J	ug/kg
O103	Di-n-octylphthalate	45 J	ug/kg
O103	Fluoranthene	2700	ug/kg
O103	Fluorene	170 J	ug/kg
O103	Indeno(1,2,3-cd)pyrene	700	ug/kg
O103	Phenanthrene	1600	ug/kg
O103	Pyrene	2200	ug/kg
O103	Unknown	610 JN	ug/kg
O103	Unknown	1100 JN	ug/kg
O106	Aroclor-1248	69	ug/kg
O106	Aroclor-1254	280 PJ	ug/kg
O106	Aroclor-1260	730	ug/kg

Table O-2B  
Onondaga Creek Soils - Organic Compounds

Location	Parameter	Results	Units
O104	1,2-Dichloroethene (Total)	5 J	ug/kg
O104	2-Butanone	33	ug/kg
O104	2-Methylnaphthalene	1200 JD	ug/kg
O104	4-Nitroaniline	1700 JD	ug/kg
O104	Acenaphthene	9600 D	ug/kg
O104	Acenaphthylene	1500 JD	ug/kg
O104	Acetone	98	ug/kg
O104	Anthracene	7000 D	ug/kg
O104	Aroclor-1254	380	ug/kg
O104	Aroclor-1260	940 D	ug/kg
O104	Benzo(a)anthracene	12000 D	ug/kg
O104	Benzo(a)pyrene	11000 D	ug/kg
O104	Benzo(b)fluoranthene	8700 D	ug/kg
O104	Benzo(g,h,i)perylene	5700 JD	ug/kg
O104	Benzo(k)fluoranthene	10000 D	ug/kg
O104	Bis(2-ethylhexyl)phthalate	1200 JD	ug/kg
O104	Carbazole	6400 D	ug/kg
O104	Carbon disulfide	8 J	ug/kg
O104	Chrysene	14000 D	ug/kg
O104	Dibenzofuran	2300 JD	ug/kg
O104	Fluoranthene	32000 D	ug/kg
O104	Fluorene	4400 JD	ug/kg
O104	Indeno(1,2,3-cd)pyrene	5800 JD	ug/kg
O104	Naphthalene	2200 JD	ug/kg
O104	Phenanthrene	24000 D	ug/kg
O104	Pyrene	27000 D	ug/kg
O104	Toluene	2 J	ug/kg
O104	Unknown	19 JN	ug/kg
O104	Unknown	15 JN	ug/kg
O104	Unknown	35 JN	ug/kg
O104	Unknown	30 JN	ug/kg
O104	Unknown	16000 JND	ug/kg
O104	Unknown	15 JN	ug/kg
O104	Unknown	18 JN	ug/kg
O104	Unknown	22 JN	ug/kg
O104	Unknown	19 JN	ug/kg
O104	Unknown	9000 JND	ug/kg
O104	Unknown	4900 JND	ug/kg
O104	Unknown	5400 JND	ug/kg
O104	Unknown	35 JN	ug/kg
O105	2-Butanone	7 J	ug/kg
O105	Acenaphthene	990 JD	ug/kg

Table O-2B  
Onondaga Creek Soils - Organic Compounds

Location	Parameter	Results	Units
O105	Acenaphthylene	1100 JD	ug/kg
O105	Acetone	20 J	ug/kg
O105	Anthracene	2300 JD	ug/kg
O105	Aroclor-1254	82 PJ	ug/kg
O105	Aroclor-1260	100 PJ	ug/kg
O105	Benzo(a)anthracene	5500 D	ug/kg
O105	Benzo(a)pyrene	5100 D	ug/kg
O105	Benzo(b)fluoranthene	3900 JD	ug/kg
O105	Benzo(g,h,i)perylene	2500 JD	ug/kg
O105	Benzo(k)fluoranthene	4000 JD	ug/kg
O105	Carbazole	1600 JD	ug/kg
O105	Chrysene	6400 D	ug/kg
O105	Dibenzofuran	570 JD	ug/kg
O105	Fluoranthene	12000 D	ug/kg
O105	Fluorene	1400 JD	ug/kg
O105	Indeno(1,2,3-cd)pyrene	2400 JD	ug/kg
O105	Phenanthrene	9900 D	ug/kg
O105	Pyrene	10000 D	ug/kg
O105	Unknown	10 JN	ug/kg
O105	Unknown	2000 JND	ug/kg
O105	Unknown	2100 JND	ug/kg
O105	Unknown	2300 JND	ug/kg
O105	Unknown	3900 JND	ug/kg
O105	Unknown	8 JN	ug/kg

Table O-3A  
Onondaga Creek Sediments - Metals

Location	Parameter	Results	Units
O101	Mercury	0	mg/kg
O102	Aluminum	4640	mg/kg
O102	Arsenic	2 B	mg/kg
O102	Barium	80	mg/kg
O102	Beryllium	0 B	mg/kg
O102	Cadmium	0 B	mg/kg
O102	Calcium	47900	mg/kg
O102	Chromium	12	mg/kg
O102	Cobalt	5 B	mg/kg
O102	Copper	26 *J	mg/kg
O102	Iron	12300	mg/kg
O102	Lead	33 *	mg/kg
O102	Magnesium	12500	mg/kg
O102	Manganese	325	mg/kg
O102	Nickel	14	mg/kg
O102	Potassium	809 B	mg/kg
O102	Silver	0 B	mg/kg
O102	Sodium	131 B	mg/kg
O102	Vanadium	11 B	mg/kg
O102	Zinc	75 *	mg/kg
O103	Aluminum	2490	mg/kg
O103	Arsenic	2 B	mg/kg
O103	Barium	48 B	mg/kg
O103	Beryllium	0 B	mg/kg
O103	Cadmium	0 B	mg/kg
O103	Calcium	80900	mg/kg
O103	Chromium	8	mg/kg
O103	Cobalt	3 B	mg/kg
O103	Copper	16 *J	mg/kg
O103	Iron	6810	mg/kg
O103	Lead	19 *	mg/kg
O103	Magnesium	11000	mg/kg
O103	Manganese	156	mg/kg
O103	Nickel	8 B	mg/kg
O103	Potassium	540 B	mg/kg
O103	Sodium	2870	mg/kg
O103	Vanadium	6 B	mg/kg
O103	Zinc	57 *	mg/kg

Table O-3B  
Onondaga Creek Soils - Metals

Location	Parameter	Results	Units
O104	Aluminum	4490	mg/kg
O104	Arsenic	3 B	mg/kg
O104	Barium	60 B	mg/kg
O104	Beryllium	0 B	mg/kg
O104	Cadmium	1 B	mg/kg
O104	Calcium	69700	mg/kg
O104	Chromium	32	mg/kg
O104	Cobalt	5 B	mg/kg
O104	Copper	1150 *J	mg/kg
O104	Iron	14000	mg/kg
O104	Lead	178 *	mg/kg
O104	Magnesium	11900	mg/kg
O104	Manganese	195	mg/kg
O104	Mercury	1	mg/kg
O104	Nickel	22	mg/kg
O104	Potassium	960 B	mg/kg
O104	Selenium	3	mg/kg
O104	Silver	5	mg/kg
O104	Sodium	1020 B	mg/kg
O104	Vanadium	14 B	mg/kg
O104	Zinc	251 *	mg/kg
O105	Aluminum	3140	mg/kg
O105	Arsenic	6	mg/kg
O105	Barium	117	mg/kg
O105	Beryllium	0 B	mg/kg
O105	Cadmium	0 B	mg/kg
O105	Calcium	78500	mg/kg
O105	Chromium	35	mg/kg
O105	Cobalt	6 B	mg/kg
O105	Copper	114 *J	mg/kg
O105	Iron	27300	mg/kg
O105	Lead	167 *	mg/kg
O105	Magnesium	10500	mg/kg
O105	Manganese	284	mg/kg
O105	Mercury	1	mg/kg
O105	Nickel	32	mg/kg
O105	Potassium	622 B	mg/kg
O105	Selenium	2	mg/kg
O105	Silver	2 B	mg/kg
O105	Sodium	831 B	mg/kg
O105	Vanadium	12 B	mg/kg
O105	Zinc	170 *	mg/kg

Table SM-1  
Sawmill Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
SM1A	Cadmium	0 B	mg/kg
SM1A	Total solids	46	%
SM2A	Total solids	84	%
SM5	Acenaphthylene	130 J	ug/kg
SM5	Aluminum	16100 *	mg/kg
SM5	Anthracene	150 J	ug/kg
SM5	Aroclor-1260	45 J	ug/kg
SM5	Arsenic	7	mg/kg
SM5	Barium	142 *	mg/kg
SM5	Benzo(a)anthracene	370 J	ug/kg
SM5	Benzo(a)pyrene	560 J	ug/kg
SM5	Benzo(b)fluoranthene	990	ug/kg
SM5	Benzo(g,h,i)perylene	300 J	ug/kg
SM5	Benzo(k)fluoranthene	790 J	ug/kg
SM5	Beryllium	1 B	mg/kg
SM5	Cadmium	3	mg/kg
SM5	Calcium	32000 *	mg/kg
SM5	Carbazole	97 J	ug/kg
SM5	Chromium	147 *	mg/kg
SM5	Chrysene	770	ug/kg
SM5	Cobalt	12 B	mg/kg
SM5	Copper	59 EJ	mg/kg
SM5	Fluoranthene	960	ug/kg
SM5	Indeno(1,2,3-cd)pyrene	310 J	ug/kg
SM5	Iron	24800 *	mg/kg
SM5	Lead	444	mg/kg
SM5	Magnesium	13600	mg/kg
SM5	Manganese	1660 NJ	mg/kg
SM5	Nickel	88	mg/kg
SM5	Phenanthrene	420 J	ug/kg
SM5	Potassium	3790	mg/kg
SM5	Pyrene	860	ug/kg
SM5	Sodium	205 B	mg/kg
SM5	Total organic carbon	91700	mg/kg
SM5	Total solids	53	%
SM5	Unknown	1200 JN	ug/kg
SM5	Unknown	880 JN	ug/kg
SM5	Unknown	1300 JN	ug/kg
SM5	Unknown	3700 JN	ug/kg
SM5	Unknown	1400 JN	ug/kg
SM5	Unknown	1400 JN	ug/kg
SM5	Unknown	1600 JN	ug/kg

Table SM-1  
Sawmill Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
SM5	Unknown	860 JN	ug/kg
SM5	Vanadium	32	mg/kg
SM5	Zinc	1880	mg/kg
SM6	Acenaphthylene	80 J	ug/kg
SM6	Aluminum	12100 *	mg/kg
SM6	Anthracene	81 J	ug/kg
SM6	Aroclor-1260	32 PJ	ug/kg
SM6	Arsenic	11	mg/kg
SM6	Barium	95 *	mg/kg
SM6	Benzo(a)anthracene	220 J	ug/kg
SM6	Benzo(a)pyrene	360 J	ug/kg
SM6	Benzo(b)fluoranthene	680	ug/kg
SM6	Benzo(g,h,i)perylene	210 J	ug/kg
SM6	Benzo(k)fluoranthene	540 J	ug/kg
SM6	Beryllium	1 B	mg/kg
SM6	Cadmium	0 B	mg/kg
SM6	Calcium	42500 *	mg/kg
SM6	Carbazole	55 J	ug/kg
SM6	Chromium	26 *	mg/kg
SM6	Chrysene	480 J	ug/kg
SM6	Cobalt	9 B	mg/kg
SM6	Copper	43 EJ	mg/kg
SM6	Fluoranthene	580	ug/kg
SM6	Indeno(1,2,3-cd)pyrene	200 J	ug/kg
SM6	Iron	22000 *	mg/kg
SM6	Lead	41	mg/kg
SM6	Magnesium	12100	mg/kg
SM6	Manganese	887 NJ	mg/kg
SM6	Nickel	23	mg/kg
SM6	Phenanthrene	210 J	ug/kg
SM6	Potassium	2790	mg/kg
SM6	Pyrene	520	ug/kg
SM6	Sodium	153 B	mg/kg
SM6	Total organic carbon	43500	mg/kg
SM6	Total solids	65	%
SM6	Unknown	740 JN	ug/kg
SM6	Unknown	650 JN	ug/kg
SM6	Vanadium	27	mg/kg
SM6	Zinc	250	mg/kg

Table SM-2

## Sawmill Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
SM5	Acenaphthylene	130 J	ug/kg
SM5	Anthracene	150 J	ug/kg
SM5	Aroclor-1260	45 J	ug/kg
SM5	Benzo(a)anthracene	370 J	ug/kg
SM5	Benzo(a)pyrene	560 J	ug/kg
SM5	Benzo(b)fluoranthene	990	ug/kg
SM5	Benzo(g,h,i)perylene	300 J	ug/kg
SM5	Benzo(k)fluoranthene	790 J	ug/kg
SM5	Carbazole	97 J	ug/kg
SM5	Chrysene	770	ug/kg
SM5	Fluoranthene	960	ug/kg
SM5	Indeno(1,2,3-cd)pyrene	310 J	ug/kg
SM5	Phenanthrene	420 J	ug/kg
SM5	Pyrene	860	ug/kg
SM5	Unknown	860 JN	ug/kg
SM5	Unknown	880 JN	ug/kg
SM5	Unknown	1400 JN	ug/kg
SM5	Unknown	1300 JN	ug/kg
SM5	Unknown	3700 JN	ug/kg
SM5	Unknown	1400 JN	ug/kg
SM5	Unknown	1600 JN	ug/kg
SM5	Unknown	1200 JN	ug/kg
SM6	Acenaphthylene	80 J	ug/kg
SM6	Anthracene	81 J	ug/kg
SM6	Aroclor-1260	32 PJ	ug/kg
SM6	Benzo(a)anthracene	220 J	ug/kg
SM6	Benzo(a)pyrene	360 J	ug/kg
SM6	Benzo(b)fluoranthene	680	ug/kg
SM6	Benzo(g,h,i)perylene	210 J	ug/kg
SM6	Benzo(k)fluoranthene	540 J	ug/kg
SM6	Carbazole	55 J	ug/kg
SM6	Chrysene	480 J	ug/kg
SM6	Fluoranthene	580	ug/kg
SM6	Indeno(1,2,3-cd)pyrene	200 J	ug/kg
SM6	Phenanthrene	210 J	ug/kg
SM6	Pyrene	520	ug/kg
SM6	Unknown	740 JN	ug/kg
SM6	Unknown	650 JN	ug/kg

Table SM-3  
Sawmill Creek Sediments - Metals

Location	Parameter	Results	Units
SM1A	Cadmium	0 B	mg/kg
SM5	Aluminum	16100 *	mg/kg
SM5	Arsenic	7	mg/kg
SM5	Barium	142 *	mg/kg
SM5	Beryllium	1 B	mg/kg
SM5	Cadmium	3	mg/kg
SM5	Calcium	32000 *	mg/kg
SM5	Chromium	147 *	mg/kg
SM5	Cobalt	12 B	mg/kg
SM5	Copper	59 EJ	mg/kg
SM5	Iron	24800 *	mg/kg
SM5	Lead	444	mg/kg
SM5	Magnesium	13600	mg/kg
SM5	Manganese	1660 NJ	mg/kg
SM5	Nickel	88	mg/kg
SM5	Potassium	3790	mg/kg
SM5	Sodium	205 B	mg/kg
SM5	Vanadium	32	mg/kg
SM5	Zinc	1880	mg/kg
SM6	Aluminum	12100 *	mg/kg
SM6	Arsenic	11	mg/kg
SM6	Barium	95 *	mg/kg
SM6	Beryllium	1 B	mg/kg
SM6	Cadmium	0 B	mg/kg
SM6	Calcium	42500 *	mg/kg
SM6	Chromium	26 *	mg/kg
SM6	Cobalt	9 B	mg/kg
SM6	Copper	43 EJ	mg/kg
SM6	Iron	22000 *	mg/kg
SM6	Lead	41	mg/kg
SM6	Magnesium	12100	mg/kg
SM6	Manganese	887 NJ	mg/kg
SM6	Nickel	23	mg/kg
SM6	Potassium	2790	mg/kg
SM6	Sodium	153 B	mg/kg
SM6	Vanadium	27	mg/kg
SM6	Zinc	250	mg/kg

Table N-1  
Ninemile Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
N101	2-Butanone	9 J	ug/kg
N101	Acenaphthylene	130 J	ug/kg
N101	Acetone	35 J	ug/kg
N101	Aluminum	9090 *	mg/kg
N101	Anthracene	92 J	ug/kg
N101	Arsenic	4	mg/kg
N101	Barium	47 B	mg/kg
N101	Benzo(a)anthracene	82 J	ug/kg
N101	Benzo(a)pyrene	65 J	ug/kg
N101	Benzo(b)fluoranthene	74 J	ug/kg
N101	Benzo(k)fluoranthene	88 J	ug/kg
N101	Beryllium	1 B	mg/kg
N101	Cadmium	0 B	mg/kg
N101	Calcium	64800 *	mg/kg
N101	Carbon disulfide	5 J	ug/kg
N101	Chromium	19 *	mg/kg
N101	Chrysene	96 J	ug/kg
N101	Cobalt	8 B	mg/kg
N101	Copper	64 *J	mg/kg
N101	Fluoranthene	240 J	ug/kg
N101	Fluorene	67 J	ug/kg
N101	Iron	14500 *	mg/kg
N101	Lead	14	mg/kg
N101	Magnesium	36500	mg/kg
N101	Manganese	222	mg/kg
N101	Naphthalene	50 J	ug/kg
N101	Nickel	23	mg/kg
N101	Phenanthrene	210 J	ug/kg
N101	Potassium	2090	mg/kg
N101	Pyrene	190 J	ug/kg
N101	Selenium	1 B	mg/kg
N101	Sodium	152 B	mg/kg
N101	Thallium	1 B	mg/kg
N101	Total organic carbon	35300	mg/kg
N101	Total solids	79	%
N101	Unknown	1600 JN	ug/kg
N101	Vanadium	18	mg/kg
N101	Zinc	62 *	mg/kg
N102	Acenaphthylene	98 J	ug/kg
N102	Acetone	16 J	ug/kg
N102	Aluminum	6230 *	mg/kg
N102	Arsenic	3 B	mg/kg

Table N-1  
Ninemile Creek Sediments - All Detections for All Parameters

Location	Parameter	Results	Units
N102	Barium	65 B	mg/kg
N102	Benzo(a)anthracene	97 J	ug/kg
N102	Benzo(a)pyrene	75 J	ug/kg
N102	Benzo(b)fluoranthene	90 J	ug/kg
N102	Benzo(k)fluoranthene	140 J	ug/kg
N102	Beryllium	0 B	mg/kg
N102	Bis(2-ethylhexyl)phthalate	120 J	ug/kg
N102	Cadmium	0 B	mg/kg
N102	Calcium	128000 *	mg/kg
N102	Carbon disulfide	12 J	ug/kg
N102	Chromium	15 *	mg/kg
N102	Chrysene	110 J	ug/kg
N102	Cobalt	4 B	mg/kg
N102	Copper	14 *J	mg/kg
N102	Fluoranthene	220 J	ug/kg
N102	Iron	9200 *	mg/kg
N102	Lead	21	mg/kg
N102	Magnesium	14500	mg/kg
N102	Manganese	312	mg/kg
N102	Mercury	0	mg/kg
N102	Nickel	11 B	mg/kg
N102	Phenanthrene	89 J	ug/kg
N102	Potassium	2000	mg/kg
N102	Pyrene	200 J	ug/kg
N102	Sodium	132 B	mg/kg
N102	Total organic carbon	103000	mg/kg
N102	Total solids	56	%
N102	Unknown	1800 JN	ug/kg
N102	Vanadium	12 B	mg/kg
N102	Zinc	56 *	mg/kg

Table N-2  
Ninemile Creek Sediments - Organic Compounds

Location	Parameter	Results	Units
N101	2-Butanone	9 J	ug/kg
N101	Acenaphthylene	130 J	ug/kg
N101	Acetone	35 J	ug/kg
N101	Anthracene	92 J	ug/kg
N101	Benzo(a)anthracene	82 J	ug/kg
N101	Benzo(a)pyrene	65 J	ug/kg
N101	Benzo(b)fluoranthene	74 J	ug/kg
N101	Benzo(k)fluoranthene	88 J	ug/kg
N101	Carbon disulfide	5 J	ug/kg
N101	Chrysene	96 J	ug/kg
N101	Fluoranthene	240 J	ug/kg
N101	Fluorene	67 J	ug/kg
N101	Naphthalene	50 J	ug/kg
N101	Phenanthrene	210 J	ug/kg
N101	Pyrene	190 J	ug/kg
N101	Unknown	1600 JN	ug/kg
N102	Acenaphthylene	98 J	ug/kg
N102	Acetone	16 J	ug/kg
N102	Benzo(a)anthracene	97 J	ug/kg
N102	Benzo(a)pyrene	75 J	ug/kg
N102	Benzo(b)fluoranthene	90 J	ug/kg
N102	Benzo(k)fluoranthene	140 J	ug/kg
N102	Bis(2-ethylhexyl)phthalate	120 J	ug/kg
N102	Carbon disulfide	12 J	ug/kg
N102	Chrysene	110 J	ug/kg
N102	Fluoranthene	220 J	ug/kg
N102	Phenanthrene	89 J	ug/kg
N102	Pyrene	200 J	ug/kg
N102	Unknown	1800 JN	ug/kg

Table N-3  
Ninemile Creek Sediments - Metals

Location	Parameter	Results	Units
N101	Aluminum	9090 *	mg/kg
N101	Arsenic	4	mg/kg
N101	Barium	47 B	mg/kg
N101	Beryllium	1 B	mg/kg
N101	Cadmium	0 B	mg/kg
N101	Calcium	64800 *	mg/kg
N101	Chromium	19 *	mg/kg
N101	Cobalt	8 B	mg/kg
N101	Copper	64 *J	mg/kg
N101	Iron	14500 *	mg/kg
N101	Lead	14	mg/kg
N101	Magnesium	36500	mg/kg
N101	Manganese	222	mg/kg
N101	Nickel	23	mg/kg
N101	Potassium	2090	mg/kg
N101	Selenium	1 B	mg/kg
N101	Sodium	152 B	mg/kg
N101	Thallium	1 B	mg/kg
N101	Vanadium	18	mg/kg
N101	Zinc	62 *	mg/kg
N102	Aluminum	6230 *	mg/kg
N102	Arsenic	3 B	mg/kg
N102	Barium	65 B	mg/kg
N102	Beryllium	0 B	mg/kg
N102	Cadmium	0 B	mg/kg
N102	Calcium	128000 *	mg/kg
N102	Chromium	15 *	mg/kg
N102	Cobalt	4 B	mg/kg
N102	Copper	14 *J	mg/kg
N102	Iron	9200 *	mg/kg
N102	Lead	21	mg/kg
N102	Magnesium	14500	mg/kg
N102	Manganese	312	mg/kg
N102	Mercury	0	mg/kg
N102	Nickel	11 B	mg/kg
N102	Potassium	2000	mg/kg
N102	Sodium	132 B	mg/kg
N102	Vanadium	12 B	mg/kg
N102	Zinc	56 *	mg/kg

Appendix 3: Total Organic Carbon

Table 1: Total Organic Carbon Data

Table 2: General TOC-Based Sediment Criteria

Table 3: Sediment Criteria Exceedances for VOCs and SVOCs (Based on TOC Data)

direct

Table 1: Total Organic Carbon

Location	Parameter	Results	Units
B101	Total organic carbon	13500	mg/kg
B102D	Total organic carbon	6710	mg/kg
B102S	Total organic carbon	34500	mg/kg
B103	Total organic carbon	19700	mg/kg
B104	Total organic carbon	34300	mg/kg
G101	Total organic carbon	91900	mg/kg
G102	Total organic carbon	47000	mg/kg
G103	Total organic carbon	164000	mg/kg
G104	Total organic carbon	133000	mg/kg
G105	Total organic carbon	76800	mg/kg
G106	Total organic carbon	30200	mg/kg
G107	Total organic carbon	11500	mg/kg
H107	Total organic carbon	108000	mg/kg
H108	Total organic carbon	113000	mg/kg
H109	Total organic carbon	112000	mg/kg
H110	Total organic carbon	48100	mg/kg
H112	Total organic carbon	132000	mg/kg
H113	Total organic carbon	189000	mg/kg
L101	Total organic carbon	116000	mg/kg
L102	Total organic carbon	33900	mg/kg
L103	Total organic carbon	24900	mg/kg
L104	Total organic carbon	40400	mg/kg
L105	Total organic carbon	20700	mg/kg
L106	Total organic carbon	34700	mg/kg
L107	Total organic carbon	40200	mg/kg
L108	Total organic carbon	126000	mg/kg
L111	Total organic carbon	366000	mg/kg
L112	Total organic carbon	97600	mg/kg
N101	Total organic carbon	35300	mg/kg
N102	Total organic carbon	103000	mg/kg
N103	Total organic carbon	90500	mg/kg
N104	Total organic carbon	175000	mg/kg
O101	Total organic carbon	65400	mg/kg
O103	Total organic carbon	15700	mg/kg
O104	Total organic carbon	61900	mg/kg
O105	Total organic carbon	32200	mg/kg
O106	Total organic carbon	54200	mg/kg
S101	Total organic carbon	112000	mg/kg
S102	Total organic carbon	48100	mg/kg
S103	Total organic carbon	22000	mg/kg

Table 1: Total Organic Carbon

Location	Parameter	Results	Units
S104	Total organic carbon	41000	mg/kg
S105	Total organic carbon	24000	mg/kg
S106	Total organic carbon	90000	mg/kg
S107	Total organic carbon	44000	mg/kg
S108	Total organic carbon	64000	mg/kg
S109	Total organic carbon	45900	mg/kg
S110	Total organic carbon	70900	mg/kg
SM5	Total organic carbon	91700	mg/kg
SM6	Total organic carbon	43500	mg/kg

TABLE 2: General TOC-Based Sediment Criteria (ug/kg sediment)

Level of Protection	Human Health Bioaccumulation				Benthic Aquatic Life Acute Toxicity				Benthic Aquatic Life Chronic Toxicity				Wildlife Bioaccumulation				
	Percent TOC	1%	3%	5%	10%	1%	3%	5%	10%	1%	3%	5%	10%	1%	3%	5%	10%
<b>Contaminant</b>																	
Acenaphthene	---	---	---	---	---	---	---	---	---	1400	4200	7000	14000	---	---	---	---
Anthracene	---	---	---	---	9860	29580	49300	98600	1070	3210	5350	10700	---	---	---	---	---
Benzo(a)anthracene	---	---	---	---	940	2820	4700	9400	120	360	1800	1200	---	---	---	---	---
Benzene	6	18	30	60	1030	3090	5150	10300	280	840	1400	2800	---	---	---	---	---
Benzo(a)pyrene, etc.*	13	39	65	130	---	---	---	---	---	1995	5985	9975	19950	---	---	---	---
Bis(2-ethylhexyl)phthalate	---	---	---	---	346	1038	1730	3460	35	105	175	350	---	---	---	---	---
Chlorobenzene	---	---	---	---	1200	3600	6000	12000	120	360	600	1200	---	---	---	---	---
Dichlorobenzenes	7	21	35	70	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	---	---	---	---	2120	6360	10600	21200	240	720	1200	2400	---	---	---	---	---
Ethylbenzene	---	---	---	---	730	2190	3650	7300	80	240	400	800	---	---	---	---	---
Fluoranthene	---	---	---	---	90810	272430	454050	908100	55700	167100	278500	557000	120	360	600	1200	---
Fluorene	---	---	---	---	1050	3150	5250	10500	120	360	600	1200	---	---	---	---	---
Hexachlorobenzene	1.5	4.5	7.5	15	3040	9120	15200	30400	340	1020	1700	3400	---	---	---	---	---
Isopropylbenzene	---	---	---	---	2580	7740	12900	25800	300	900	1500	3000	---	---	---	---	---
2-methylnaphthalene	---	---	---	---	---	---	---	---	1200	3600	6000	12000	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	6	18	30	60	---	---	---	---	---
Phenanthrene	---	---	---	---	---	---	---	---	5	15	25	50	---	---	---	---	---
Phenols, total chlorinated	---	---	---	---	---	---	---	---	1200	3600	6000	12000	---	---	---	---	---
Phenols, total unchlorinated	---	---	---	---	---	---	---	---	9100	27300	45500	91000	910	2730	4550	9100	140
PCB	0.008	0.024	0.04	0.08	27608	82824	138040	276080	193	579	965	1930	14	42	70	140	---
Pyrene	---	---	---	---	87750	263250	438750	877500	9610	28830	48050	96100	---	---	---	---	---
Toluene	---	---	---	---	2530	7050	12650	25300	490	1470	2450	4900	---	---	---	---	---
Trichlorobenzenes	20	60	100	200	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	0.7	2.1	3.5	7	8330	24990	41650	83300	920	2760	4600	9200	---	---	---	---	---
Vinyl Chloride	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* These values are also applicable to benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and methylbenz(a)anthracene.

TOC specific Sediment Criteria = TOC (g/kg) \* Sediment Criteria values obtained from Table 1 in Contaminated Sediments Guidance, 1999

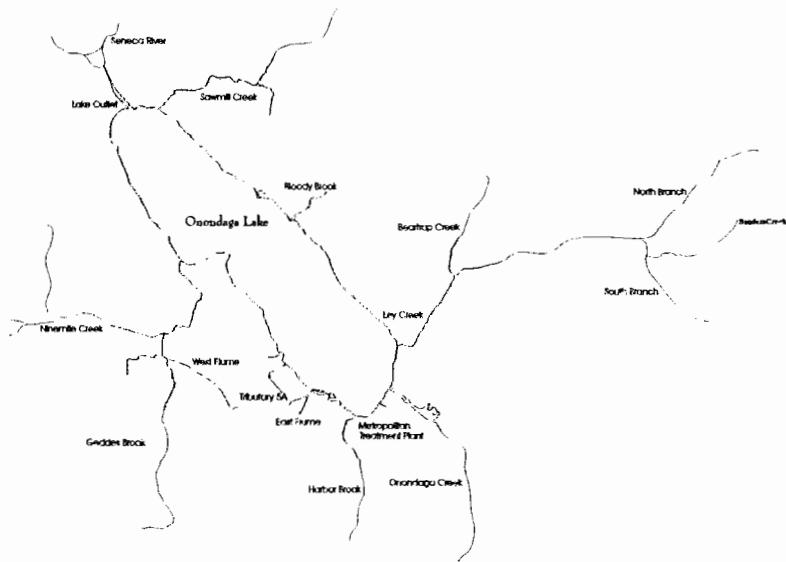
--- No TOC specific criteria available

**TABLE 3: Sediment Criteria Exceedances for VOCs and SVOCs (excluding carcinogenic compounds)**

Tributary	Location	Parameter	Sediment Criteria Exceeded
Geddes Brook	G103	chlorobenzene	BALCT
		1,2-dichlorobenzene	BALCT
		1,4-dichlorobenzene	BALCT
		4-methylphenol	BALCT
	G105	2,4-dimethylphenol	BALCT
		4-methylphenol	BALCT
	G106	fluorene	BALCT
		naphthalene	BALCT
		phenanthrene	BALCT
	N103	hexachlorobenzene	Human Health Bioaccumulation
	N104	hexachlorobenzene	Human Health Bioaccumulation
Harbor Brook	H108	fluorene	BALCT
		4-methylphenol	BALCT
		phenol	BALCT
	H109	fluorene	BALCT
		4-methylphenol	BALCT
		phenanthrene	BALCT
	H110	fluorene	BALCT
		phenanthrene	BALCT
Lower Ley Creek	L107	1,2-dichlorobenzene	BALCT
		fluorene	BALCT
		phenanthrene	BALCT
		vinyl chloride	Human Health Bioaccumulation
	L108	fluorene	BALCT
		4-methylphenol	BALCT
	L112	fluorene	BALCT
		2-methylphenol	BALCT
Upper Ley Creek	L102	fluorene	BALCT
		4-methylphenol	BALCT
		phenanthrene	BALCT
	L103	acenaphthalene	BALCT
		anthracene	BALCT
		2,4-dimethylphenol	BALCT
		fluoranthene	BALCT
		fluorene	BALAT
		2-methylnaphthalene	BALCT
		naphthalene	BALCT
		phenanthrene	BALCT
		pyrene	BALCT
	S101	fluorene	BALCT
	S104	fluorene	BALCT
		phenanthrene	BALCT
	S106	fluorene	BALCT
		4-methylphenol	BALCT
		phenanthrene	BALCT
	S107	fluorene	BALCT
		phenanthrene	BALCT
	S109	fluorene	BALCT
		phenanthrene	BALCT
Onondaga Creek	O103	fluorene	BALCT

BALCT = Benthic Aquatic Life Chronic Toxicity

BALAT = Benthic Aquatic Life Acute Toxicity



*Addendum to the*  
*Onondaga Lake NPL*  
*Site Tributary Sampling*  
*Second Round Report*

*Onondaga Lake NPL Site Remedial Program*

*New York State Department of Environmental Conservation*  
*November 2000*

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## **1.0 Introduction**

This document is an addendum to the New York State Department of Environmental Conservation Onondaga Lake NPL Site Tributary Sampling Second Round Report (Second Round Report), dated November 1999. The Second Round Report was prepared by the New York State Department of Environmental Conservation (NYSDEC) as part of the remedial program for the Onondaga Lake National Priorities List (NPL) Site and presented the second round results of implementation of the NYSDEC Onondaga Lake NPL Site Tributary Sampling Work Plan (Work Plan), dated October 1996.

The Tributary Sampling Program is being implemented to supplement existing data and provide a general view of levels of contamination in various tributaries of Onondaga Lake. Data obtained through the Tributary Sampling program will be used to assist in evaluating and identifying the extent of the NPL Site, site conditions, possible subsites and further data needs. The Tributary Sampling program will also serve to help fill a number of data gaps which have been identified through the CERCLA request for information 104(e) process. This additional information will help provide a basis for determining whether further action is appropriate at a number of sites. In addition, the general picture of tributary contamination which will be developed will facilitate an assessment of the completeness of the 104(e) program to date.

## **2.0 Methodology**

Sediment samples were collected in Ninemile Creek, Geddes Brook and unnamed tributaries that discharge to Geddes Brook. These additional samples were collected to address potential contamination from various facilities and landfills (Stanton Foundry, Frazer & Jones, Pass & Seymour, Village of Solvay, and the Mathews Avenue landfills) located in the vicinity of Geddes Brook and from the Camillus Cutlery facility located adjacent to Ninemile Creek.

### **2.1 Geddes Brook**

The June 2000 sampling consisted of 2 sediment samples. The sampling locations are shown on Figure 1. The samples were only analyzed for Target Analyte List (TAL) metals.

### **2.2 Unnamed Tributaries to Geddes Brook**

The June 2000 sampling consisted of 3 sediment samples. The sampling locations are shown on Figure 1. One sample, B395-01 was analyzed for Target Compound List (TCL) VOCs, SVOCs, PCB/Pesticides, and Target Analyte List (TAL) metals. The remaining samples, B395-03 and B395-04, were only analyzed for Target Analyte List (TAL) metals.

### **2.3 Ninemile Creek**

The June 2000 sampling consisted of 2 sediment samples. The sampling locations are shown on Figure 2. The samples were only analyzed for Target Analyte List (TAL) metals.

## **2.4 Sample Collection and Analysis**

All sample collection activities followed the procedures outlined in the Project QAPjP as well as the requirements outlined in the Health and Safety Plan included as Appendices 1 and 2 of the Work Plan, respectively.

The sediment samples were collected using either a scoop or a lexan tube, depending on the location and sediment conditions, and placed into the appropriate containers. The samples were collected at depths ranging from 2 to 15 inches, unless otherwise specified. Scoops and trowels used for the sediment sampling were decontaminated as specified in the Work Plan after use.

The samples that were collected were analyzed by a DEC contract laboratory following NYSDEC ASP protocols. Unless indicated, the sample analyses were performed by method 8260 for VOCs, method 8270 for SVOCs, method 8081 for PCBs/Pesticides, and 6010 for metals. The data from these analyses was validated by a third party validator.

## **3.0 Results**

The analytical results of the second round of the Tributary Sampling program described in previous sections are presented in the Tables in Appendix 1. The data is presented in the following tables:

Table GB: Geddes Brook Sediments - Metals

Table UGBT-1: Unnamed Geddes Brook Tributaries Sediments - Organic Compounds

Table UGBT-2: Unnamed Geddes Brook Tributaries Sediments - Metals

Table NC: Ninemile Creek Sediments - Metals

Additional information concerning the Phase I Tributary Sampling can be found in the Onondaga Lake NPL Site Tributary Sampling First Round Report.

### **3.1 Geddes Brook**

In Geddes Brook, two sediment samples were collected. These sediment samples, B395-06 and B395-07, were collected upstream of the West Flume and the Erie Canal adjacent to and just upstream of the Stanton Foundry landfill, respectively.

Metals of concern that had concentrations exceeding the LEL or SEL included cadmium, copper, nickel, silver, and zinc. These metals were detected above the LEL at either one or both of the locations sampled (see Table below). Silver was detected at a concentration of 2.9 ppm, which exceeds the SEL of 2.2 ppm. For the most part, higher concentrations were detected at location B395-07, which is upstream of the Stanton Foundry landfill and location B395-06.

Geddes Brook - Metals Levels of Concern (in ppm) in sediment

Metal	B395-06	B395-07	LEL	SEL
Cadmium	0.58	<b>0.75</b>	0.6	9.0
Copper	<b>21.6</b>	<b>24.3</b>	16	110
Nickel	<b>21.8</b>	<b>28.2</b>	16	50
Silver	<b>2.1</b>	<b>2.9</b>	1.0	2.2

Values exceeding the LEL or SEL criteria are in bold

### 3.2 Unnamed Tributaries to Geddes Brook

In the various unnamed tributaries to Geddes Brook, three sediment samples were collected. These sediment samples (B395-01, B395-03, and B395-04) were collected upstream of the West Flume and the Erie Canal. B395-01 was collected in a tributary of Geddes Brook located to the south of the Erie Canal approximately 100 feet upstream from the confluence of the tributary and the brook. B395-03 was collected in a tributary to Geddes Brook approximately 6000 feet to the east of the brook and to the north of the China Towne store. B395-04 was collected from the same tributary as B395-03 and was located to the north of the Pass & Seymour landfill, approximately 4500 feet from Geddes Brook.

VOCs were only analyzed in B395-01. The only VOCs detected in this sample were 2-butanone and trichloroethene at estimated concentrations of 6 and 4 ug/kg.

SVOCs were only analyzed in B395-01. The detected SVOCs include acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, 1,4-dichlorobenzene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. Concentrations of these SVOCs ranged from 110 to 770 ug/kg.

No PCBs were detected at location B395-01. One pesticide, delta-BHC, was detected at a concentration of 18 ug/kg.

Metals of concern that were detected in the unnamed tributaries to Geddes Brook were cadmium, chromium, copper, lead, manganese, mercury, nickel, silver, and zinc. These metals were detected above the LEL at some or all of the locations sampled in the unnamed tributaries (see Table below). The concentration of mercury at B395-01 was 4 mg/kg, which exceeds the SEL for mercury of 1.2 mg/kg. Other metals that were detected above the SEL included lead at a concentration of 739 mg/kg at B395-03 and silver at a concentration of 3.2 mg/kg at B395-04. The SELs for lead and silver are 110 and 2.2 mg/kg, respectively.

Unnamed Tributaries to Geddes Brook - Metals Levels of Concern (in ppm) in sediment

Metal	B395-01	B395-03	B395-04	LEL	SEL
Cadmium	ND	<b>1.4</b>	<b>1.3</b>	0.6	9.0
Chromium	<b>35.1</b>	20	13.5	26	110
Copper	<b>36.8</b>	<b>46.3</b>	<b>60.8</b>	16	110
Lead	<b>65.1</b>	<b>739</b>	<b>32</b>	31	110
Manganese	<b>832</b>	192	126	460	1110
Mercury	4	<b>0.88</b>	<b>0.24</b>	0.15	1.3
Nickel	<b>16.2</b>	<b>17.8</b>	11.5	16	50
Silver	ND	ND	<b>3.2</b>	1.0	2.2
Zinc	<b>134</b>	<b>198</b>	<b>226</b>	120	270

Values exceeding the LEL or SEL criteria are in bold

ND = not detected

### 3.3 Ninemile Creek

In Ninemile Creek, two sediment samples were collected. These sediment samples were collected upstream (B395-05) and downstream(B395-02) of the Camillus Cutlery facility located in Camillus, NY.

Metals of concern that were detected in the sediment samples included cadmium, copper, nickel, and silver. These metals were detected above the LEL at either one or both of the locations sampled in Ninemile Creek (see Table below). For the most part, higher concentrations were detected at location B395-05, which is upstream of the Camillus Cutlery facility and location B395-02.

Ninemile Creek - Metals Levels of Concern (in ppm) in sediment

Metal	B395-02	B395-05	LEL	SEL
Cadmium	0.38	<b>0.67</b>	0.6	9.0
Copper	<b>28.8</b>	<b>24.3</b>	16	110
Nickel	10.1	<b>16.3</b>	16	50
Silver	ND	<b>2.1</b>	1.0	2.2

Values exceeding the LEL or SEL criteria are in bold

ND = not detected

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Figure 2: Ninemile Creek June 2000 Sampling Locations

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Table UGBT-1: Unnamed Geddes Brook Tributaries Sediments - Organic Compounds  
UGBT-2: Unnamed Geddes Brook Tributaries Sediments - Metals

Table NC: Ninemile Creek Sediments - Metals

Chart

## References

Department of Environmental Conservation, Division of Fish and Wildlife, January 1999.  
Technical Guidance for Screening Contaminated Sediments.

Department of Environmental Conservation, Division of Environmental Remediation, October 1997. Onondaga Lake NPL Site Tributary Sampling First Round Report.

Mitkem Labs, Inc. (For TAMS Consultants, Inc.), October 2000. Analytical Data Packages for TAMS Consultants, Inc.: Onondaga Lake Project.

*DRAFT*

## Appendix 1: Figures

Figure 1: Geddes Brook and Unnamed Tributaries to Geddes Brook June 2000 Sampling Locations

Figure 2: Ninemile Creek June 2000 Sampling Locations

*Figures  
will be  
added later.*

**draft**

Appendix 2: Data Tables

Table GB: Geddes Brook Sediments - Metals

Table UGBT-1: Unnamed Geddes Brook Tributaries Sediments - Organic Compounds

UGBT-2: Unnamed Geddes Brook Tributaries Sediments - Metals

Table NC: Ninemile Creek Sediments - Metals

draft

Table GB  
Geddes Brook Sediments - Metals

Location	Parameter	Results	Units
B395-06	Aluminum	9400 J	mg/kg
B395-06	Arsenic	2.5 J	mg/kg
B395-06	Barium	50.2 J	mg/kg
B395-06	Beryllium	0.49 J	mg/kg
B395-06	Cadmium	0.58 J	mg/kg
B395-06	Calcium	44600 J	mg/kg
B395-06	Chromium	18.9 J	mg/kg
B395-06	Cobalt	6.9 J	mg/kg
B395-06	Copper	21.6 J	mg/kg
B395-06	Iron	14300 J	mg/kg
B395-06	Lead	18.6 J	mg/kg
B395-06	Magnesium	20900 J	mg/kg
B395-06	Manganese	226 J	mg/kg
B395-06	Mercury	0.096 J	mg/kg
B395-06	Nickel	21.8 J	mg/kg
B395-06	Potassium	1280 J	mg/kg
B395-06	Selenium	2.3 J	mg/kg
B395-06	Silver	2.1 J	mg/kg
B395-06	Sodium	434 J	mg/kg
B395-06	Vanadium	28.1 J	mg/kg
B395-06	Zinc	82.3 J	mg/kg
B395-07	Aluminum	12700 J	mg/kg
B395-07	Arsenic	4.1 J	mg/kg
B395-07	Barium	69.9 J	mg/kg
B395-07	Beryllium	0.64 J	mg/kg
B395-07	Cadmium	0.75 J	mg/kg
B395-07	Calcium	31500 J	mg/kg
B395-07	Chromium	23.2 J	mg/kg
B395-07	Cobalt	9.4 J	mg/kg
B395-07	Copper	24.3 J	mg/kg
B395-07	Iron	19500 J	mg/kg
B395-07	Lead	23.9 J	mg/kg
B395-07	Magnesium	17800 J	mg/kg
B395-07	Manganese	267 J	mg/kg
B395-07	Nickel	28.2 J	mg/kg
B395-07	Potassium	1460 J	mg/kg
B395-07	Selenium	2.1 J	mg/kg
B395-07	Silver	2.9 J	mg/kg
B395-07	Sodium	366 J	mg/kg
B395-07	Thallium	0.99 J	mg/kg
B395-07	Vanadium	24.2 J	mg/kg
B395-07	Zinc	78.5 J	mg/kg

Table UGBT - 1  
Unnamed Geddes Brook Tributary Sediments - Organic Compounds

Location	Parameter	Results	Units
B395-01	1,4-Dichlorobenzene	160 J	ug/kg
B395-01	2-Butanone	6 J	ug/kg
B395-01	Acenaphthylene	110 J	ug/kg
B395-01	Anthracene	130 J	ug/kg
B395-01	Benzo(a)anthracene	300 J	ug/kg
B395-01	Benzo(a)pyrene	440 J	ug/kg
B395-01	Benzo(b)fluoranthene	770	ug/kg
B395-01	Benzo(g,h,i)perylene	250 J	ug/kg
B395-01	Benzo(k)fluoranthene	240 J	ug/kg
B395-01	Chrysene	550 J	ug/kg
B395-01	delta-BHC	18	ug/kg
B395-01	Fluoranthene	680	ug/kg
B395-01	Indeno(1,2,3-cd)pyrene	300 J	ug/kg
B395-01	Phenanthrene	240 J	ug/kg
B395-01	Pyrene	620 J	ug/kg
B395-01	Trichloroethene	4 J	ug/kg

Table UGBT - 2  
Unnamed Geddes Brook Tributary Sediments - Metals

Location	Parameter	Results	Units
B395-01	Aluminum	3860 J	mg/kg
B395-01	Arsenic	4.1 B	mg/kg
B395-01	Barium	154 J	mg/kg
B395-01	Beryllium	0.26 J	mg/kg
B395-01	Cadmium	0.75 J	mg/kg
B395-01	Calcium	291000 J	mg/kg
B395-01	Chromium	35.1 J	mg/kg
B395-01	Cobalt	4.8 J	mg/kg
B395-01	Copper	36.8 J	mg/kg
B395-01	Iron	10200 J	mg/kg
B395-01	Lead	65.1 J	mg/kg
B395-01	Magnesium	9550 J	mg/kg
B395-01	Manganese	832 J	mg/kg
B395-01	Mercury	4 J	mg/kg
B395-01	Nickel	16.2 J	mg/kg
B395-01	Potassium	734 J	mg/kg
B395-01	Sodium	2470 J	mg/kg
B395-01	Vanadium	15.5 J	mg/kg
B395-01	Zinc	134 J	mg/kg
B395-03	Aluminum	4210 J	mg/kg
B395-03	Arsenic	3.6	mg/kg
B395-03	Barium	58.9 J	mg/kg
B395-03	Beryllium	0.27 J	mg/kg
B395-03	Cadmium	1.4 J	mg/kg
B395-03	Calcium	96100 J	mg/kg
B395-03	Chromium	20 J	mg/kg
B395-03	Cobalt	12.6 J	mg/kg
B395-03	Copper	46.3 J	mg/kg
B395-03	Iron	8950 J	mg/kg
B395-03	Lead	739 J	mg/kg
B395-03	Magnesium	16100 J	mg/kg
B395-03	Manganese	192 J	mg/kg
B395-03	Mercury	0.88 J	mg/kg
B395-03	Nickel	17.8 J	mg/kg
B395-03	Potassium	547 J	mg/kg
B395-03	Selenium	4.2 J	mg/kg
B395-03	Sodium	403 J	mg/kg
B395-03	Vanadium	41.7 J	mg/kg
B395-03	Zinc	198 J	mg/kg
B395-04	Aluminum	2360 J	mg/kg
B395-04	Arsenic	4.7 J	mg/kg
B395-04	Barium	38.4 J	mg/kg

Table UGBT - 2  
Unnamed Geddes Brook Tributary Sediments - Metals

Location	Parameter	Results	Units
B395-04	Beryllium	0.17 J	mg/kg
B395-04	Cadmium	1.3 J	mg/kg
B395-04	Calcium	21500 J	mg/kg
B395-04	Chromium	13.5 J	mg/kg
B395-04	Cobalt	3.8 J	mg/kg
B395-04	Copper	60.8 J	mg/kg
B395-04	Iron	15100 J	mg/kg
B395-04	Lead	32 J	mg/kg
B395-04	Magnesium	4610 J	mg/kg
B395-04	Manganese	126 J	mg/kg
B395-04	Mercury	0.24 J	mg/kg
B395-04	Nickel	11.5 J	mg/kg
B395-04	Potassium	431 J	mg/kg
B395-04	Silver	3.2 J	mg/kg
B395-04	Sodium	1180 J	mg/kg
B395-04	Zinc	226 J	mg/kg

Table NC  
Ninemile Creek Sediments - Metals

Location	Parameter	Results	Units
B395-02	Aluminum	3350 *	mg/kg
B395-02	Arsenic	2.1 B	mg/kg
B395-02	Barium	43.5 B*	mg/kg
B395-02	Beryllium	0.18 B	mg/kg
B395-02	Cadmium	0.38 B	mg/kg
B395-02	Calcium	47600 *	mg/kg
B395-02	Chromium	10.9 *	mg/kg
B395-02	Cobalt	3.1 J	mg/kg
B395-02	Copper	28.8 J	mg/kg
B395-02	Iron	7510 *	mg/kg
B395-02	Lead	20.9 *	mg/kg
B395-02	Magnesium	10000 *	mg/kg
B395-02	Manganese	187 J	mg/kg
B395-02	Nickel	10.1 B*	mg/kg
B395-02	Potassium	474 B	mg/kg
B395-02	Selenium	1.6	mg/kg
B395-02	Sodium	70.1 B	mg/kg
B395-02	Vanadium	12.7 J	mg/kg
B395-02	Zinc	45.7 J	mg/kg
B395-05	Aluminum	5330 J	mg/kg
B395-05	Arsenic	3 J	mg/kg
B395-05	Barium	65.4 J	mg/kg
B395-05	Beryllium	0.33 J	mg/kg
B395-05	Cadmium	0.67 J	mg/kg
B395-05	Calcium	77400 J	mg/kg
B395-05	Chromium	12.8 J	mg/kg
B395-05	Cobalt	5.1 J	mg/kg
B395-05	Copper	24.3 J	mg/kg
B395-05	Iron	13200 J	mg/kg
B395-05	Lead	25 J	mg/kg
B395-05	Magnesium	16000 J	mg/kg
B395-05	Manganese	289 J	mg/kg
B395-05	Mercury	0.1 J	mg/kg
B395-05	Nickel	16.3 J	mg/kg
B395-05	Potassium	727 J	mg/kg
B395-05	Selenium	2.1 J	mg/kg
B395-05	Silver	2.1 J	mg/kg
B395-05	Sodium	212 J	mg/kg
B395-05	Vanadium	20.2 J	mg/kg
B395-05	Zinc	97.1 J	mg/kg